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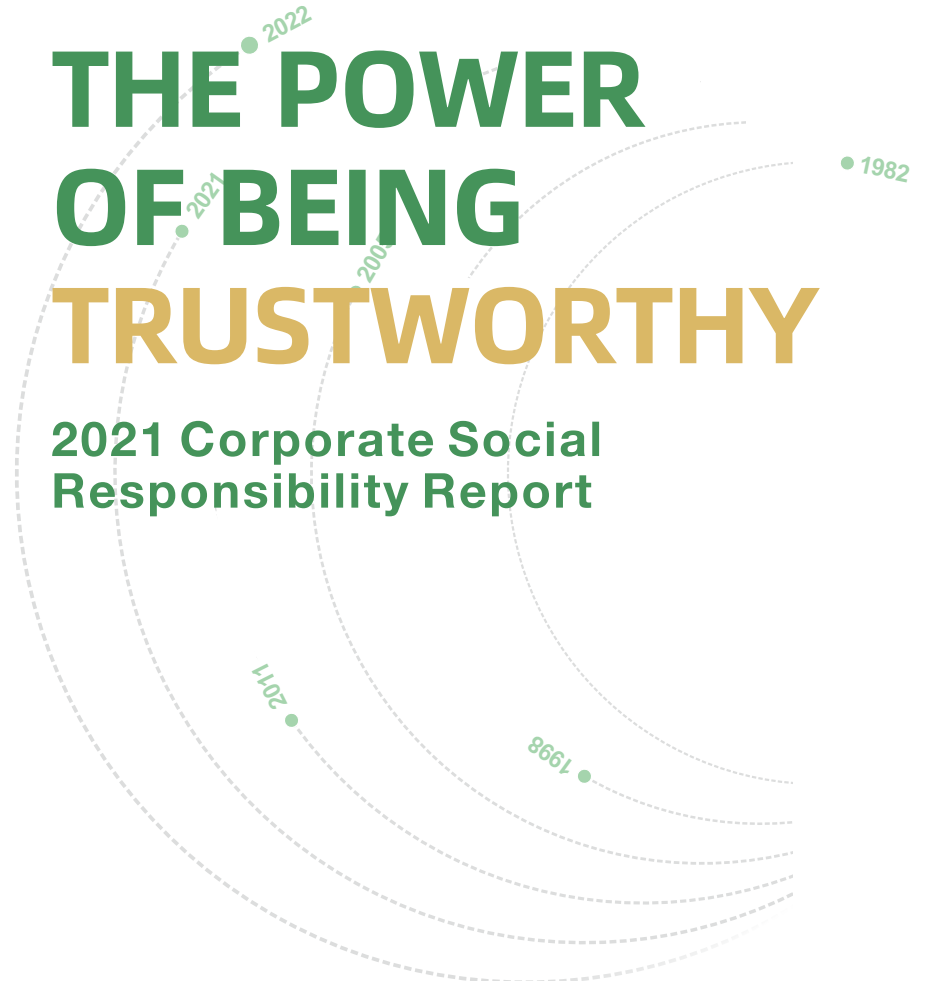
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The present report is available in both online and hard copy

The online version is available on the company website at:
www.newhopeliuhe.com/

THE POWER OF BEING TRUSTWORTHY

2021 Corporate Social Responsibility Report



ABOUT THE REPORT



THE POWER OF BEING TRUSTWORTHY NEW HOPE LIUHE

◆ Introduction

The present report is the 14th Corporate Social Responsibility Report issued by New Hope Liuhe Co., Ltd.

◆ Compilation basis

This report is prepared with reference to GRI Standards issued by the Global Sustainable Standards Council (GSSB), National standards Guidelines for the Preparation of Social Responsibility Reports (GB/T36001-2015), Guidelines for the Preparation of Corporate Social Responsibility Reports in China (CASS-CSR4.0) issued by Chinese Academy of Social Sciences, the Guidance on Social Responsibility (ISO26000) issued by the International Organization for Standardization (ISO), as well as the relevant requirements of China Securities Regulatory Commission, Shenzhen Stock Exchange, etc., at the same time, based on the industry background, the report highlights the enterprise characteristics.

◆ Time frame

This report covers a time frame from January 1, 2021 to December 31, 2021, some presentations and data may be extended before or after the time frame appropriately.

◆ Release period

This report is an annual report, which is issued simultaneously with the annual report of New Hope Liuhe Co., Ltd.

◆ Scope of report

The report covers New Hope Liuhe Co., Ltd. and its subsidiaries.

◆ Report data description

In the event of discrepancies between the financial data disclosed in this report and the 2021 Annual Report of New Hope Liuhe Co., Ltd., the annual report shall prevail; Other data is from internal statistics. Amounts in this report are denominated in RMB, unless otherwise specified.

◆ Description of reference

For the purpose of this report, "New Hope Liuhe Co., Ltd." is also referred to as "New Hope Liuhe", "Company" or "We".

◆ Report acquisition

This report is available in Chinese and English in both electronic and printed versions. The electronic version can be viewed and downloaded from the information disclosure website (www.cninfo.com.cn) designated by the Shenzhen Stock Exchange, or the Company's website (<http://www.newhopeliuhe.com>).

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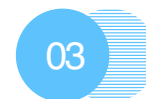
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CHAIRWOMAN'S SPEECH

Take Root in Society and Act as a Reliable Force

The year 2021 is an extraordinary year. The goals of "two hundred years" meet in history, which opens a new journey of building a modern socialist country in an all-round way, and New Hope is on the verge of turning 40. Facing profound changes in a century and an era of uncertainty, we have been thinking about: what is the power to keep New Hope Liuhe going forward?

In Nangong, Chengdu, Xi'an and Shanghai, sporadic outbreaks of COVID-19 have affected our hearts. We have made every effort to fight the epidemic and provide supplies. Employees work in shifts every 24 hours. They resume work and production. They fully utilized every bit of production capacity. Elites and leaders of the company were called to "retrograde" to epidemic areas, and to ensure smooth supply of food. We know that this is the responsibility of an enterprise involving people's well-being and expectation and trust from customers and people.

Being a reliable force has been incorporated into the gene of New Hope Liuhe like water.

From "if you want to get rich by raising pigs, New Hope will help you" at the beginning of our business, to "profiting the farmers, and benefiting the consumers", creating value for customers has always been what we have been fighting for. We have set up the Customer Value Management Department to create the integration of marketing and service for customers. In order to provide the customers what they really need, we have developed comprehensive services such as biosafety technology, disease prevention and control, hope farm, financing loan, etc. We studied the demand of food consumers, and we have developed diversified products ideas of "nutrition, health and rich dining environments".

We drive technological innovation, mode innovation and industry iterations to help our customers and industries achieve high-quality and sustainable growth. We have built "4+1+1" scientific and technological innovation system, which empowers with technology and covers the whole industry chain of agricultural, animal husbandry and food. We pay close attention to the "slow variables" such as animal nutrition, intelligent breeding, livestock breeding in technology research. We explore the empowerment of digitalization to upgrading the industry and construction of digital ecology.

From launching "glorious cause" to participating in rural revitalization, from targeted poverty alleviation to common prosperity, from warm winter action to wish plan, we give back to the society, which also gives us the strength of sustainable growth. Among the children who have benefited from the glorious cause, some have become ordinary heroes who build their hometown, and some also have joined our cause to become "dream pursuers" to make the country strong and the people rich.

Achieving carbon neutrality is not just a national goal, it is the responsibility of every business. "Lucid water and lush mountains are invaluable assets". We explore the combination of planting and breeding, and green energy and resources recycling. Therefore waste can be transformed into resources, and environmental protection can continuously create benefits.

We will not only guarantee the safety, health and rights of our employees, who are our most important and trustworthy business partners, but also pay attention to providing the opportunity of lifelong learning for the employees. We train our employees to learn and grow continuously and make their lives more wonderful.

We deeply feel that, for an enterprise which is committed to being rooted on the earth and has an evergreen foundation, the continuous creation of social value is the deepest foundation. The expectation and trust from all parties in the society are just the land that nourishes us.

Hope, makes life better. On the road to the future, we will, as always, root in society, repay society and act as a reliable force.

NEW HOPE GROUP: A PYRAMID OF NEW HOPE CULTURE ROOTED IN THE EARTH

Basic principles

We stick to the moral standard of kindness and trustworthiness

We believe in simple, direct, honest and transparent interpersonal communication

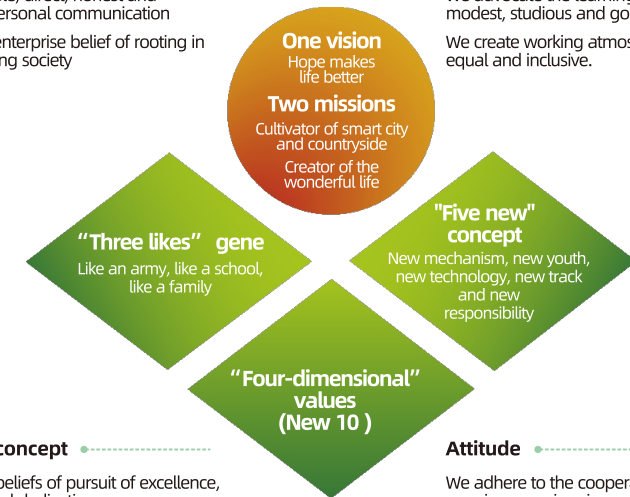
We advocate the enterprise belief of rooting in society and repaying society

Enterprise spirit

We have the character of perseverance and bearing hardships

We advocate the learning attitude of being modest, studious and good at rethinking

We create working atmosphere of being caring, equal and inclusive.



Development concept

We believe in the beliefs of pursuit of excellence, professionalism and dedication

We adhere to the innovative thinking of "half a step faster" and continuous update

Attitude

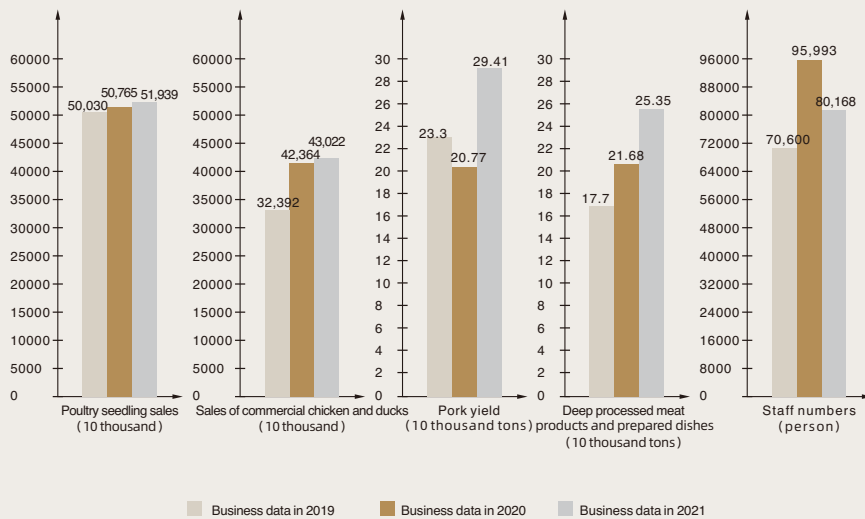
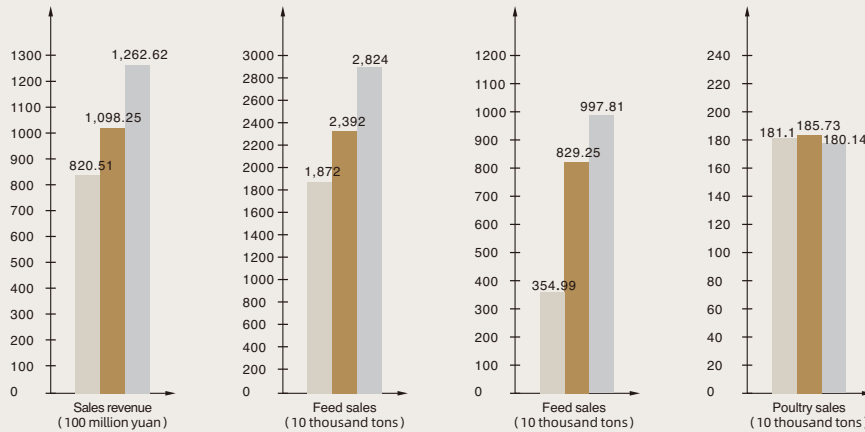
We adhere to the cooperation concept of opening up, win-win, co-creation and sharing

We adhere to the customer-oriented, market-oriented business purpose

NEW HOPE LIUHE: VISION AND MISSION



Operating Results in 2021



Social Recognition

Awards



- 917th on the List of Forbes Global 2000 Enterprises
- 95th on the list of Fortune China's Top 500
- Top 100 Agricultural Leaders
- Top 10 Leading Feed Enterprises
- China's Advanced Enterprises in Meat Food Industry
- The Most Valuable Brand in Chinese Meat Food Industry
- Top 500 Agricultural Enterprises in China
- 5th in WATT Global Top Poultry Enterprises Ranking

Social Responsibility



- Excellent Cases of ESG of Listed Companies
- 95th in the Chinese Enterprise Social Responsibility Ranking
- Welfare Breeding Golden Rooster Award (Three-star Level)
- Excellent Employer Enterprise
- Incorruptibility and Compliance Innovation Award

R&D of Science and Technology



- First Prize of Shennong China Agricultural Science and Technology Award
- Second Prize of Shennong China Agricultural Science and Technology Award
- Science Research Famous Achievement Award in Higher Institution - First Prize of Science and Technology Progress
- China's Agricultural and Rural Major New Technology, New Products and New Equipment
- Standardization Demonstration Farm of Livestock and Poultry Breeding of the Ministry of Agriculture and Rural Affairs of the People's Republic of China
- National African Swine Fever Free Community
- Beijing Science and Technology Award - First Prize of Science and Technology Progress Award
- Beijing Science and Technology Award - Second Prize of Science and Technology Progress Award
- Shandong Science and Technology Award - Third Prize of Science and Technology Progress
- Sichuan Food Industry Science and Technology Award - First Prize of Science and Technology Progress
- Shandong Agriculture, Animal Husbandry and Fishery Harvest Award - Third Prize of Agricultural Technology Extension Achievement

Brand Product



- "Top 100 Vitality List" in the List of Brand Value of Listed Companies
- Outstanding Product Innovation Award
- Ruminant Feed Technology Innovation Star Brand
- Excellent Brand Enterprise in Feed Industry
- Green and Efficient Feed Brand
- Chinese Aquatic Fermented Feed Brand
- Annual Leading Brand of China Aquatic Industry (Fermented Feed)
- Award for the Most Popular with Consumers
- Most Focused Product Award
- One Hundred Popular Products Award in China Food Industry

CSR Management

Company vision of responsibility management

Take root in society, repay society, and become a reliable force.

Company philosophy of responsibility management

We always believe that social responsibility should be closely combined with the development strategy and daily operation of the Company. It is necessary to implement the social responsibility strategy into the management system of the Company, integrate the social responsibility concept into the corporate culture, and guide the employees to identify with and practice the social responsibility concept. We expect to be more committed to building an excellent enterprise, driving industry iteration and upgrading, fulfilling corporate social responsibility, implementing rural revitalization strategies, and promoting social and environmental sustainability.

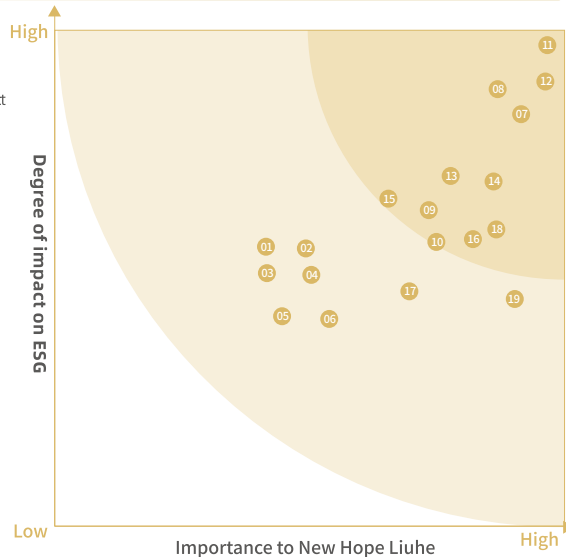
Corporate Social Responsibility Management Strategy

Combining its own business characteristics, social responsibility management vision and the United Nations sustainable development goals, the company confirmed the six major social responsibility strategy implementation directions that the company should assume. These social responsibilities also correspondingly support the company's social responsibility management vision and strive to become the power of trustworthiness.

- ◆ Pursuing excellence and practicing long-termism
- ◆ Focusing on scientific and technological guidance and boosting industrial upgrading
- ◆ Enterprise involving people's well-being, and creating a better life together
- ◆ Seeking co-existence and win-win, and jointly building industrial ecology
- ◆ Having the feelings of home and country, and devoting to rural revitalization
- ◆ Paying attention to green development, and being committed to environmental protection and low carbon

ESG substantive analysis and issue recognition

- 01 Promote local employment
- 02 Support local community construction
- 03 Boost industrial clusters
- 04 Lead the industrial development
- 05 Safeguard animal welfare
- 06 Biodiversity conservation
- 07 Guarantee food safety
- 08 Prevent epidemic disease
- 09 Assist in poverty alleviation
- 10 Honest and compliant operation
- 11 Reduce environmental impact
- 12 Develop circular economy
- 13 Protect the rights and interests of employees
- 14 Perfect supply chain management
- 15 Scientific and technological innovation
- 16 Optimize corporate governance
- 17 Employee training and development
- 18 Employee health and safety
- 19 Corporate culture construction



Stakeholder communication

The company insists on building a diversified communication mechanism, establishing close contact with stakeholders, actively and extensively communicating with all parties through more channels and ways, and understanding and timely responding to the demands of stakeholders.

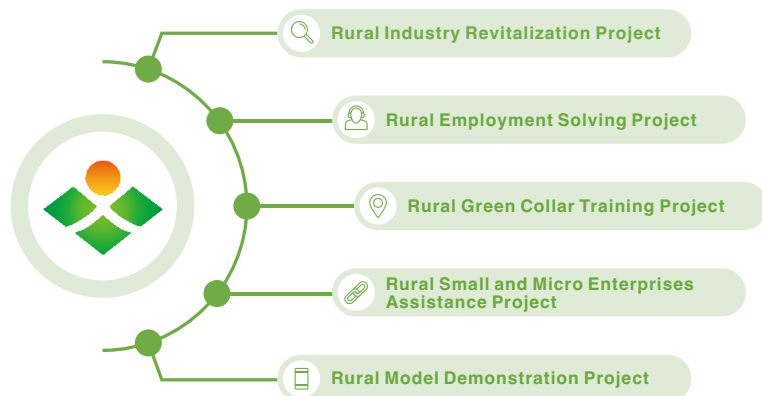
Stakeholder Participation

Stakeholder	Main Topics	Communication Channels
Government and regulatory agencies	Prevention of epidemic diseases Assist in poverty alleviation Honest and Compliant Operation Boost industrial clusters	Cooperation in poverty alleviation projects Project approval and supervision Routine communication and reporting
Shareholders and investor	Honest and compliant operation Optimize corporate governance Improve the return on investment for shareholders Scientific and technological innovation	Periodic report and announcement General meeting of shareholders Investor's research Performance presentation Interactive questions and answers on online platform of Shenzhen Stock Exchange
	Guaranteeing food safety Provide high-quality healthy protein food	News media coverage Social media
Employees	Employee safety and healthy Employee care Employee training and development Corporate culture construction Protect the rights and interests of employees	Year-end summary and commendation conference Corporate culture activities Regular training Social media
Cooperative farmers	Provide industrial services Provide technical support	Technician on-site Regular visit
Value chain partners	Perfect supply chain management Boost industrial clusters Customer service and complaint handling	Procurement and sales platform Supplier training Customer feedback channel
Community	Assist in poverty alleviation Promote local employment Develop circular economy Support local construction	Public welfare and charity activities Media communication
Environment	Water resources management, energy saving and carbon reduction Develop circular economy Compliance discharge	Surrounding environment monitoring Communication with environmental protection departments Popularize the mode of combining planting and breeding

Special Topic Five-Year Five Projects Five-Year Plan to Assist Rural Revitalization

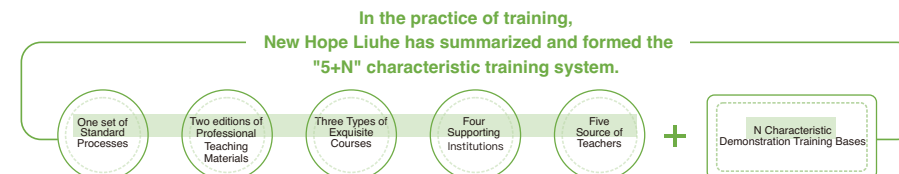
Five-Year Five Projects

In order to actively respond to the national call and fulfill social responsibility, under the leadership of New Hope Group, we are committed to carry out five projects of rural industry revitalization, employment solving, green collar training, small and micro enterprises assistance and model demonstration.



Green Collar Training

We put forward the goal of “training 100,000 new professional farmers” for five years. By utilizing enterprise’s strength in scientific and technological innovation, financial support, technical training and market connection, we can contribute to the strategy of rural revitalization by training new professional farmers who “love agriculture, know technology and are good at management” for rural revitalization.



Among them, we have established 9 green collar training bases in Beijing, Shandong, Sichuan, Hebei, Shaanxi, Jiangsu, Zhejiang, Shenzhen and Guangdong by joining various forces with local governments, higher education institutions, research institutes and other agriculture-related enterprises.

Village Head Class for Rural Revitalization

We jointly planned and implemented the public welfare project “Village Head Class” for rural revitalization with the National School of Development at Peking University. The most important link in realizing rural governance and revitalization is to improve the thinking concept and administrative ability of the “village head” (village party secretary and village director) who is the leader of rural development at the grass-roots level in China.

The “Village Head Class” for rural revitalization has set up rich curriculum contents, including the interpretation of policies and regulations of “rural revitalization”, the sharing of industrial revitalization practice, and a practical case study of field study investigation and analysis in the suburbs of Beijing. The tutor leads the “village head student” to analyze and study their own rural governance problems, teaches the methods of social research and modeling, strives to improve the students’ ability to solve practical problems and explore new paths for rural development, and continuously track and study the real cases of village head students.

In September 2021, the “Village Head Class” for rural revitalization was started in the National School of Development at Peking University, with professors from the National School of Development at Peking University as the course tutors, and more than 50 village party secretaries and village committee directors from 18 provinces, cities and autonomous regions became the first batch of trainees.



Modern Apprenticeship System Mode

The modern apprenticeship system developed by New Hope Liuhe is a mode of modern talent development, which focuses on double-entity education and double-scholar education for students' skill training through the deep cooperation between schools and enterprises and the joint teaching of teachers and masters. This is the key mode of vocational education training recommended by the Ministry of Education. Schools and the enterprises jointly undertake the teaching task and carry out the theoretical knowledge teaching in the first 1.5 years and the professional training in the form of apprenticeship after the first 1.5 years. At this stage, the dual tutor system of professional tutor and life tutor, as well as teaching mode of theory + practice are adopted; senior executives of the company give professional lectures, and the professional tutors teach skills and technologies in person, while the life tutors pay close attention to the life and growth of students.

Dual-entity teaching	In the structure of two entities of the school and the enterprise, and dual-scholar structure of school teachers and enterprise masters, the students can not only master the basic theoretical knowledge, but also learn the practical skills;
Separate cultivation	Each trainee will be assigned a technical tutor and a career tutor during the learning period of the enterprise, and each tutor will coach 2 to 3 students on average, and formulate a clear career development plan for the trainees;
Self-employment selection	After graduation, there is no mandatory requirement for the students, and they are free to choose employment or education;
Scholarships and grants	Students who are poor or have excellent character will be provided with large scholarships and grants to help them complete their studies;
Allowances and benefits	During the internship period of the enterprise, students will enjoy free meal and stay, as well as ladder study stipends
Rapid promotion	The students of the modern apprenticeship class have no probationary period. They can become full-time employees directly after graduation and have more promotion opportunities;
Reimbursement of tuition fees	After graduation, if you come to work in the enterprise, three-year tuition fees will be reimbursed in a lump sum after three years of work.

Since 2016, the company has adopted modern apprenticeship system with Shandong Vocational Animal Science and Veterinary College, Jiangsu Vocational College Agriculture and Forestry, Chengdu Agricultural College and other institutions of higher learning to cultivate talents with high-quality technical skills for comprehensive development. At present, 829 people have been trained.

As of December 2021, there were 1,908 off-line training sessions for 74,969 persons and 13.493 million person-times of online training (including on-line green collar public welfare lecture hall).



Cumulative as of December 2021

1,908 sessions	74,969 persons	1,349.30 million times
off-line training sessions	Off-line training for	of online training (including on-line green-collar public welfare lecture hall)

Assistance for Micro, Small and Medium-sized Enterprises

Puhui Guarantee

In view of the urgent demand of farmers for financial services in the process of scale-up, standardization and intelligent development of breeding industry, New Hope Liuhe established Puhui Agriculture and Animal Husbandry Financing Guarantee Co., Ltd., which connects financial, insurance and related enterprises to carry out financing guarantee business to serve the agricultural and animal husbandry customers according to the core operation mode of "multi-in-one" and strict prudent risk control system relying on the agricultural and animal husbandry food industry chain integrating of feed, offspring seeding, slaughtering and refrigeration, veterinary drug supply and technical service.

The bank designs the products according to the breeding cycle, allowing borrowing and returning at any time, and calculating interest on a daily basis, with fast capital turnover and strong liquidity; The company implements credit fund escrow. The company pays directly to breeding poultry factory and feed factory, and ensures the flow of funds within the industrial chain. It guarantees the settlement of profit surplus after farmers sell the pigs. It provides closed operation of funds and controllable risks, and ensures the safety, rationality, effectiveness and scientific of bank funds.

Access to the Second-generation Credit Reporting System of the Central Bank

After Puhui Guarantee is allowed to access to the second-generation credit reporting system of the Central Bank, the exchange and sharing of customer credit reporting data will be realized. Bad credit reporting records will be included in the credit reporting system of the Central Bank and cannot be intervened manually. Access to the second-generation credit system of the Central Bank can not only curb the risk of default, but also make it easier for rural farmers with good credit records to do business.

Guaranteed Products

Working capital financing guarantee

- Guaranteed loan issued to meet the cash demand of customers for animal production and operation.
- Breeding type: broilers, ducks, pigs, laying hens, dairy cows, etc.
- Product features: simple formalities, high quota and recyclability

Fixed assets financing guarantee

- Guaranteed loan issued to meet the investment demand of fixed assets of breeding customers
- Financing object: breeding equipment
- Product features: high amount and long term



Supply Chain Financing

In order to help upstream and downstream enterprises and customers to solve financing difficulties and guarantee difficulties, New Hope Liuhe utilized the strengths in risk management and control, data precipitation and platform construction to establish a digital industrial financing platform to help upstream and downstream enterprises and customers in supply chain obtain bank financing services. The industrial financing platform launched many supply chain financing products such as Haoyangdai, Haoqinbao and Yajindai after online.

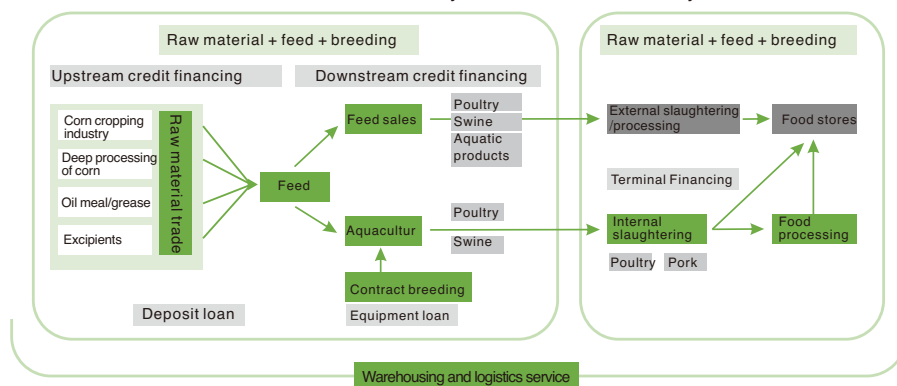
At present, the industrial financing platform has launched five financing scenarios, including feed upstream financing, downstream financing, pig breeding financing, poultry breeding financing and food terminal financing, covering feed raw material suppliers, feed customers, breeders, food dealers and stores.

The industrial financing platform acts as the connection interface between the funding party and the upstream and downstream enterprises, assists the bank in granting credits to customers, and provides one-stop and personalized service to meet customers' financing needs.

Supply chain financing service achieves multi-win among New Hope Liuhe, funding party and industrial customer. It reduces financing cost of upstream and downstream enterprises of supply chain, strengthens long-term strategic synergy between New Hope Liuhe and upstream and downstream enterprises of supply chain, and further provides the competitiveness of the whole supply chain.

In 2021, it served more than 13,800 customers, and helped customers to raise RMB 6.8 billion yuan.

Five Business Scenarios Layout of the Whole Industry Chain



New Hope's Haoyangdai

New Hope's Haoyangdai is a supply chain online financing product launched by New Hope Liuhe and New Hope Financial Services, with service objects including New Hope Liuhe's downstream distributors and farmers. This service grades the customers based on the customers' transaction records inside New Hope and the performance of the customers, and provides the bank with the suggested financing limits according to the customers' actual financing demand. The bank can grant credit to the customer according to the relevant information provided by Yanghaodai, so as to provide convenient and quick financing ways for the customers.

In 2021, Yanghaodai served 9,253 customers and helped them to raise RMB 4.071 billion yuan.

NEWS

Extracts from Relevant News Reportst

Pig-raising Leading Enterprises' Landing on the Yellow River Old Riverway Makes it Become an Oasis (Excerpt)

Reporter of Rural Dazhong Daily Wei Xinmei Correspondent Deng Meiping

Promotion of 51 Surrogate Farms

New Hope Liuhe implemented the public welfare training of "Millions of Talents Strategy" in Xiajin, which benefited local farmers. Hou Chuanyun, a farmer from Houguantun Village, Beicheng Street, was one of the beneficiaries.

Hou Chuanyun, 40 years old, has been working outside for more than a decade. In 2017, he and the other 5 villagers of the same village participated in the training, and raised more than 3 million yuan together, and built 6 pigpens in the east of the village to feed fattening pigs for Xiajin New Hope Liuhe Company.

The company provided piglets, feed, vaccines and medicines, and dispatched technicians to provide on-site service and collect fattening pigs. Hou Chuanyun and other 6 villagers, each responsible for a pigpen. The production started in the second half of 2018, and the pig farm sent out two batches of pigs a year. Hou Chuanyun recalled that he received 160 yuan for contract breeding service fee per pig. The receipt of more than one hundred thousand yuan made him feel relieved. "When the price of pigs is that low, other pig farms lost a few hundred yuan per pig. But we made money without much risks by providing contract breeding service. Isn't it very good?" Hou Chuanyun raised pigs for New Hope Liuhe and made an annual net income of more than 300,000 yuan.

Seeing Hou Chuanyun and others have made quite a fortune, Zhang Shensheng, Hou Chuanli and other 10 villagers, raised funds to build two fattening farms and started production at the beginning of this year.

In Xiajin, there were 51 contract breeding fattening farms like Hou Chuanyun's by the end of last year. Yu Taijie, the executive manager of Xiajin New Hope Liuhe Company, introduced that these contract breeding fattening farms raised more than 400, 000 fattening pigs last year, and the total income of these farmers exceeded 87 million yuan. "Now raising pigs has become my business." Hou Chuanyun said, "I am full of confidence in the future."



Scan the code to read the original text

Special Topic Grain Saving Action Corporate Responsibility to Guarantee Food Security

Special Grain Saving Action

In order to ensure food security and practice the concept of dual-carbon development, we launched "special grain saving project" to save grain use in production. Increasing the comprehensive utilization efficiency of feed by 1% every year, i.e. saving 1% of grain every year, in five consecutive years, we can save about 1.5 million tons of grain and save more than 3 million mu of cultivated land.

Action Measures

- (1) By breeding engineering, optimizing the pig varieties, reducing the grain consumption and achieving 1/3 of the saving target;
- (2) By optimizing the feed formula continuously, achieving 1/3 of the saving target;
- (3) By optimizing breeding methods and fine management, reducing feed use and achieving 1/3 of the saving target.

Optimization of Feed Formula

We studied the application of sorghum, wheat, barley, brown rice, rice, peanut meal, rapeseed meal and sunflower seed meal used in livestock and poultry feed, and increased the usage of non-conventional raw materials combining with corresponding raw material pretreatment technology, and a combination of processing technology

Pig feed formula

- Wheat, brown rice/rice mixture, barley and rice bran are used as main raw materials, and the amount of corn and soybean meal is reduced accordingly.
- If corn is replaced by sorghum, rice and brown rice, the corn addition amount can be greatly reduced;
- If soybean meal is replaced by peanut meal, rapeseed meal and sunflower meal the amount of soybean meal can be reduced by 3 to 5%.

Aquatic feed

- Low-protein diets, and feed for grass carp, common carp, tilapia, catfish, and so on were developed by amino acid balance technology. It can reduce the use of protein by 2-3% without affecting production performance, and saves protein resources effectively.
- The combination of animal-derived protein and fermentation raw materials can reduce or even eliminate the use of soybean meal.
- By increasing grinding fineness and adjusting screw configuration, rice polishing powder and rice bran are partially or completely substituted for corn, wheat and flour. The addition amount of starchy raw materials in feed such as corn, wheat and flour can be reduced by 20%.

The swine industry of the company adopts multi-stage accurate nutrition and low protein balanced amino acid technology to reduce the consumption of soybean meal in commercial pig formula. In 2021, the use of soybean meal decreased by more than 3% year on year, saving 120, 000 tons of soybean meal.

Based on the accurate feeding technology of pregnant sows, on the basis of ensuring the body condition and reproductive performance of sows, the feeding amount of each sows was reduced by 24kg/year and 19, 700 tons of feed was saved.

Optimization of Pig Varieties

In the aspect of pig breeding, New Hope Liuhe does not simply take one end of the pork industry chain as the starting point of interest, but maximizes the benefit of the industrial chain of commercial pig production within a certain range by analyzing the value of each link through big data, carrying out balanced breeding and comprehensive selection of breeding pigs.

Genomic Selection Breeding Technology

Early selection can be achieved by determining the gene composition of offsprings and selecting piglets carrying excellent genes through genomic analysis of core pig herds, which has the advantages of improving the accuracy rate, reducing the feeding cost and accelerating the genetic progress.

HUGE HOPE

The genome breeding software with independent intellectual property rights covers the genome breeding evaluation system of production management, growth 6 traits + reproduction 6 traits at the same time.

Intelligent Management System

Including a variety of intelligent control and monitoring systems. For example, intelligent temperature and humidity control system in the pigpen can create comfortable and superior growth environment for breeding pigs through ventilation system, wet curtain cooling system, gas heating system and electric heating automatic insulation board.

Precise Growth Testing System

Through the electronic feeding station, the data of feed consumption and weight gain of breeding pigs can be obtained, and the accurate growth curve of breeding pigs can be drawn. After measuring backfat and eye muscle area with high-precision B-ultrasonic instrument, combining with genome breeding software HUGE HOPE, performance breeding value of breeding pigs can be accurately obtained.

Wireless Earmark Management System

After birth and breeding of breeding pigs, they will wear lifetime wireless electronic ear tags, and combining with electronic ear tag recognizer and HUGE HOPE built-in management system, individual precise positioning management can be achieved, so as to realize the traceability of each breeding pig in the whole process.

According to the statistics of the testing ground, through the use of the latest breeding technology, high-performance boars can be continuously bred, with commercial pig feed-to-weight ratio, daily gain, survival rate and other key growth indicators better than those of the foreign multiline pig herds raised at the same time.

Optimization of Breeding Management

We adopt scientific and precise feeding management in the breeding process. On the one hand, we can reduce feed waste through precise nutrition and fine management, and on the other hand, we can promote the healthy growth of pigs, improve the growth efficiency and production index of pigs, reduce the feed-to-meat ratio, and consume less feed when producing the same quantity of pork, thus saving feed and grain.

Source Control

Implement the management of feed budget table, formulate feed budget according to the nutritional needs of pig herds, strictly control the feed feeding amount of herds at each stage from the source, and control the feed consumption and feed cost as a whole.



Precise Feeding

Accurate and efficient feeding can realize high-efficiency breeding, which can not only reduce the waste of feed, but also reduce the breeding cost. We have formulated SOP for accurate use of feed, and fine management of feed ordering, feeding, use and input to ensure accurate use of feed, reducing feed cost and improving pig herd growth performance. In addition, we have also carried out measures to optimize the 30-day post-weaning feeding management, adjust the standard feeding procedure, calibrate the feed box and adjust the feeding volume record form to continuously improve the accurate feeding level.

Pig Herd Management



By improving the uniformity and evenness of pig herds and reducing the difference of pigs in the same herd, the growth speed and potential of pig herds can be improved, the daily weight gain can be improved, the age for marketing can be shortened and the average profitability of pigs can be improved; the feeding cycle can be shortened, precise feeding according to the weight period can be achieved, and the cost can be reduced; nursing and treatment measures and schemes can be taken in a timely, accurate and centralized manner for pigs of the same type to improve the survival rate and daily gain and ensure the rapid growth of pig herds.

Site Management

Continuously improve the on-site feeding management, optimize the structure of feed trough, reduce feed waste during breeding, and realize accurate feeding according to the feed intake and body weight of pigs. Strengthen the management of surplus materials, assign special personnel for supervision and follow-up, and assign responsibilities to personnel.

NEWS

Extracts from Relevant News Reportst

New Hope Liuhe was Awarded the First Prize of Shennong China Agricultural Science and Technology Award (Excerpt)

A few days ago, the Ministry of Agriculture and Rural Affairs announced the 2020-2021 Shennong China Agricultural Science and Technology Award (hereinafter referred to as "Shennong Award"), commending agricultural science and technology personnel and innovation teams who have made outstanding contributions to the progress of agricultural science and technology and the development of agricultural and rural economic development in China. New Hope Liuhe Co., Ltd. Feed Research Institute participated in "Research and Application of Key Technology of Feed Nutrition for High-quality Pork Production" won the first prize of Scientific Research Achievement of 2020-2021 Shennong Award.

The project mainly solves the production, health and meat safety problems of live pigs through the key technology of feed nutrition. Through independent innovation, the Feed Research Institute has developed a set of scientific nutrition technology system, with the core of improving the safety and efficiency of feed nutrition, healthy meat quality and friendly environment, aiming at improving the health and production performance of pigs and improving the efficiency of pig farm, so as to achieve the best balance of feed nutrition supply, animal production performance, meat quality and safety and ecological environment friendliness, and in line with the product creation concept of "putting pigs the first and returning to the original nature", the Institute has first created "powder-and-granulated" type of antibiotics milk replacer and conservation pig feed for pigs, and developed "green footprint", "postpartum meal", "heart comfort", "heart enjoyment" and "heart honesty" food-grade bio-environmental protection feeds, realizing the good appetite, no diarrhea, good growth of the whole breeding period. The team has successively won a series of honors, including the first prize of Shandong Animal Husbandry Science and Technology Award, the first prize of Science and Technology Award of Chinese Cereals and Oils Association and the title of Sichuan Top Innovation and Entrepreneurship Team.



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01



Corporate Governance

Fight to stick to long-termism

- Corporate Governance
- Investor Communication
- Compliant Tax Payment
- Risk Control
- Party Construction

Corporate Governance

In accordance with the Company Law, Securities Law, Code of Corporate Governance for Listed Companies in China, Stock Listing Rules of Shenzhen Stock Exchange, Guideline for Standard Operation of Listed Companies of Shenzhen Stock Exchange, and laws and regulations and normative documents of China Securities Regulatory Commission, combined with the actual situation of the corporate, the corporate governance structure has been perfected continuously, including general meeting of shareholders, board of directors, board of supervisors, management responsibilities, and operational regulations, and the effectiveness of the corporate governance has been improved continuously.

As of the end of the report period, there are 8 members in the board of directors, including 3 independent directors (including 1 female), accounting for over one third of total members of the board of directors, and 5 non-independent directors (including 1 female). Independent directors serve as the convener of audit, nomination, remuneration and assessment, and risk control committees. Issues involving specialized items must first be approved by the specialized committees before submitted to the board of directors for deliberation, which is conducive for independent directors to better play a role.

The board of directors has established five specialized committees: auditing, remuneration and assessment, strategic development, nomination, and risk control. In auditing, remuneration and assessment, nomination, and risk control committees, the number of independent directors should account for over a half and these independent directors should serve as the convener.

Audit Committee

The audit committee held a total of 6 meetings in 2021. The audit committee performed duties in terms of relative regulations, knew the financial position and the business condition of the corporate in detail, deliberated the periodic report of the corporate, daily audit, and specialized audit work of the internal audit department, reviewed the formulation and implementation of the internal control system of the corporate, and carried out effective guidance and supervision of the financial position and the business condition.

Remuneration and Assessment Committee

The remuneration and assessment committee held a total of 4 meetings in 2021. The remuneration and assessment committee deliberated and checked the release of remuneration and allowance of directors and senior managers, reviewed the qualification, conferring condition, vesting conditions of persons in the corporate stock incentive plan, and provided guidance for remuneration management and stock incentive management of directors and senior managers.

Strategic Development Committee

The strategic development committee held a total of 1 meeting in 2021. Judging on the domestic economic situation and the industrial features, the strategic development committee deeply analyzed the present operation situation and the development prospect of the corporate, and the industrial risks and opportunities, gave valuable suggestions on the implementation of the development strategy of the corporate, guaranteed the scientific nature of the corporate development planning and the strategic policy, and provided strategic support for the sustainable and steady development of the corporate.

Nomination Committee

The nomination committee held a total of 3 meetings in 2021. The nomination committee performed duties in accordance with relative regulations, deeply discussed and demonstrated the affairs such as the qualification of directors and senior managers, and actively participated in the recommendation and election of directors and senior managers in the fifth general election of the board of directors.

Risk Control Committee

The risk control committee held 1 meeting in 2021. The risk control committee performed duties in accordance with relative regulations, guided and assessed the work of the total risk management of the corporate, supervised the operational effectiveness of the risk management system of the corporate, achieved control and prevention of internal and external risks of the corporate, and protected all shareholders' and stakeholders' rights and interests.

Investor Communication

After the annual report is disclosed, the company holds a performance explanation meeting in a remote manner on the Internet to answer investors' questions in real time. After the disclosure of annual report, semi-annual report and third-quarter report, the company organizes telephone communication meetings to interpret key business and financial data of the company, answers investors' questions, and timely releases investor communication records after the meeting. During the issuance of convertible bonds in November 2021, the company organized an online roadshow to interact with investors to enhance communication on convertible bond issuance.

272

disclosure announcements

Reply to

1,241

questions from 370 users

More than

1,600

answers throughout the year

In 2021, the company released 7 investor communication records and 272 disclosure announcements, and replied 1,241 questions asked by 370 users on the cninfo.com of Shenzhen Stock Exchange.

The company pays great attention to investor relationship management, treats every investor on the principles of fairness, justice and openness, effectively safeguards the interests of investors, especially the legitimate rights and interests of small and medium-sized shareholders, provides investors with diversified communication channels such as telephone (over 1,600 answers in the whole year), email, the platform of cninfo.com and so on, so as to solve questions and answer questions for investors, maintain good investor relations, and effectively deepen investors' understanding of the company's operation, business, development strategy and investment value.

In addition, the company pays great attention to communication with overseas investors. In 2021, the company issued the English version of annual report, semi-annual report and social responsibility report to help overseas investors to understand and follow the strategic development and business situation of the company in time.

Compliant Tax Payment

We adhere to the philosophy of positive and standard operation, and pay various taxes on time and in full according to the law, with tax credit rating A for many years.

The headquarters of the company is equipped with a special tax management center. The team members have rich working experience in tax system, four international accounting firms and financial management. They provide business guidance, inspection and training to all subsidiary companies at home and abroad, and timely convey the latest national tax laws and regulations.

In order to further standardize the tax management of the company and combine with the informatization construction of the company, the company officially launched the tax information management system in 2021 to guarantee the positive and standard operation of the company.

Risk Control

Integrity and Compliance System

According to the theory of "fraud triangle", the company optimizes, upgrades and iteratively updates the anti-fraud and integrity compliance system, and provides corresponding and detailed system provisions for the four levels of guiding program, system specification, implementation rules and operation guidance, with the aim to integrate the whole process of the integrity and compliance requirements into the operation and management, guide all staff to abide by the bottom line, follow rules and regulations, and promote the healthy and sustainable development of the enterprise.



Won the Integrity and Compliance Innovation Award



Posters for Application for Integrity and Compliance in Branches and Subsidiaries

Digital and Intelligent Risk Control

New Hope Liuhe combines digital and intelligent risk control with integrity and compliance system, and establishes a set of digital and intelligent risk control system with its own characteristics.



Based on the business characteristics, established the intelligent background to provide advice on value chain design, business capability, strategic operation, etc.; established capability middle office and business middle office, promoted rectification of audit problems and cooperated with anti-fraud investigation; established agile front office to realize strategic objectives of operation.

By sorting out the existing risk points of each industry, formed the risk map of each industry for risk grid management. At the same time, sorted out the portraits of sensitive post personnel according to the post functions, function design and profile portraits, and improved the internal control system in view of the important risk points, carried out prevention in advance by means of training and publicity and formed the early warning mechanism, so as to organically combined the construction of risk control with integrity and compliance.



Sunshine Action

In order to promote the implementation, practice and effectiveness of the integrity and compliance system, we have carried out a large number of sunshine cultural activities with innovation and joy, guided the employees to absorb, master and implement the rules and regulations of the company, and build a solid ideological and moral defense line of preventing corruption.

Our Sunshine Action includes the signing of Sunshine Commitment Letter for internal employees, the signing of Sunshine Cooperation Agreement for external suppliers, as well as sunshine publicity, red line management examination, declaration of employee interest relationship and relative relationship, sunshine publicity poster, reminder of holiday integrity, publicity of complaint channels, and diversified publicity, etc.



December 9, 2021 is the 18th International Anti-Corruption Day. The company held on-site sunshine publicity activities in Beijing, Qingdao and Chengdu with the theme of "With My Power and My Role, Say No to Corruption".

Sunshine culture training

Regularly organizes and carries out publicity of sunshine culture, honesty and self-discipline, and carries out targeted publicity and training on sunshine culture for senior executives, core members of various industry sectors, key posts in key departments and new employees through the mode of "online + offline". Implements the all-staff lecturer mechanism of Audit and Supervision Department, develops standardized templates, covers all frontlines, and carries out publicity and training in daily audit work.

Red Line Scenario" Certification Examination

Organizes all staff to learn the content of red line and participate in the "red line scenario" certification examination.

Declaration of Conflict of Interest

Requires new employees to declare conflict of interest before starting work. When there is a change such as position promotion, transfer or internal and external relations of employees status update, it is a must to report truthfully. It is reported again in a centralized manner in March of each year to analyze the potential risks.

Reminder of Holiday Integrity

During major holidays, releases honesty posters through e-mail, internal communication platform and WeChat public account to create a "clean and upright and honest and efficient" cooperation environment.

Publishing Reporting Methods

Publishes multiple reporting methods and conducts closed-loop management on the investigation of reports.

Diversified Publicity

Produced the Confidentiality System animation video, I Want to Go Home honest microfilm, etc., and posted them on the New Hope's university website for all staff to learn.

Conducted **122** sunshine training sessions for **12,697** person-times;

Conducted **2** system training sessions and received **52,400** learning feedback questionnaires;

Collected **139,600** answers for "red line scenario" certification examination;

Posted **1,142** posters for integrity and compliance in branches and subsidiaries;

The number of internal system interest declarations is more than **70,000**.



THE POWER
OF BEING TRUSTWORTHY
NEW HOPE LIUHE

Party Construction

New Hope Liuhe Party Committee has united and led the company's party organizations at all levels and all Party members to resolutely implement the decision-making and deployment of the superiors, deeply studied and implemented the spirit of the Fifth and Sixth Plenary Sessions of the 19th Central Committee of the Communist Party of China, actively implemented the requirements of "Brand Leap Year" for the Party construction work of the superior Party Committees, and further promoted the building of the "Hope Red" Party Construction Brand of "Integrated Party Construction, Youth Party Building and Responsible Party Construction", and created a new situation of Party construction work by focusing on 12 key works. The party construction practice of New Hope Liuhe has been selected in the Excellent Case of Party Construction of Private Listed Companies.



The primary level Party organization is the foundation of the Party's work and combat effectiveness, and is the battle fortress for carrying out the Party's line, principles, policies and tasks. The company has 5,434 party members and 86 primary level party organizations, including 2 primary level party committees, 2 general party branches and 82 primary level party branches.



The company's Party Committee has always focused on strengthening the consciousness of Party members, given full play to the role of Party members, strictly implemented the daily education and management of Party members, earnestly implemented the "three meetings and one lesson" system, and held regular Party committees and Party meetings. In 2021, the Party Member E Home- Chengdu Pioneer Class Hour reached a standard rate of 100%. Each grass-root party organization of the company also carried out more than 200 red theme activities in various forms, further stimulating the patriotic enthusiasm and struggle passion of the Party members.



At the end of April, more than 300 Party members and cadres went to Jinggangshan, the holy place of revolution, to inherit the red gene and carry forward the enterprise culture while visiting the revolutionary base and the red holy place.



On June 5th, the New Hope Liuhe Party Committee celebrated the 100th anniversary of the founding of the Party.

On July 1st, we organized to watch the live broadcast to celebrate the 100th anniversary of the founding of the Party.

Practical Activities of "I Do Practical Things for the Masses"

New Hope Liuhe Party Committee and subordinate party organizations at all levels have continuously deepened the practice activities of "I do practical things for the masses" and carried out nearly 100 themed activities such as safety training, red education, cultural activities, warm-hearted care, etc., giving full play to the fighting fortress role of primary level party organizations and the vanguard role of Party members.

NEWS

Extracts from Relevant News Reportst

Hope Red is Always the Background of the Enterprise (Excerpt)

Xinhua News Agency Reporter Gao Jianjun

"New Hope's remarkable achievements in production and management and its vanguard performance in fulfilling social responsibility and carrying out public welfare activities come from the leadership of the Party throughout the whole process of the development of New Hope.", Zhang Minggui said. New Hope Party Committee firmly establishes the concept of "focusing on Party building around development, and grasping the Party construction to promote development" and actively builds the "Hope Red" Party Construction Brand integrating the Integrated Party Construction, Youth Party Construction and Responsible Party Construction around the goal of "strong Party building and strong development", and organically integrates it with talent training, corporate culture, enterprise brand, mass activities and grass-roots governance, and has walked out of a new road of New Hope that the Party construction leads the high-quality development of the enterprise.



The articles of association make clear that 'insist on and strengthen the leadership of the Party', and determine the position of the Party's organization in the corporate governance structure in legal theory, laying the institutional foundation for strengthening the leadership of the Party's construction. This year, all staff members of New Hope have participated in the 'Corporate Culture Festival' with the theme of 'Splendor as a Song, and Struggling for New Hope', Zhang Minggui said.



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02

Enterprise Involving
People's Well Being

Safeguarding life with life

- Food Safety
- Customer Service
- Supplier Management



Food Safety

The Concept of Food Safety

We adhere to the concept of food safety management of "There is no trivial matter in product quality control, and the food safety responsibility is greater than everything". Based on the industrial chain, supported by advanced technology, guided by perfect food safety management system and standard, and guaranteed by food safety culture, we implemented the main responsibility of food safety and ensured the whole chain of food safety from farm to table through a 360 ° all-round monitoring system without blind spots.

The principle of three not letting go

Do not let go without clear
causes of nonconformityDo not let go without clear
people responsibleDo not let go without the implementation
of improvement measures

Food Safety Management System

We pay great attention to food safety. We have established the food safety management system of the whole industry chain from feed, breeding, cultivation to food, and formed the three-level safety and quality management system and three-level safety and quality audit system including the food safety and quality management department of the headquarter, BU food safety management line and the safety and quality department of the subsidiary company.

In accordance with the requirements of ISO9001, HACCP, ISO22000 and other quality and food safety management systems, combining with the characteristics of the industry and the requirements of national regulations and standards, we have established a quality and food safety management system suitable for our Company and made continuous improvement, passed the relevant certifications such as China-HACCP, BRCS and GLOBAL-GAP.

We have also built a whole-process traceability mode throughout the industry chain of breeding, feed, cultivation, slaughtering and deep processing of meat products, and created a transparent and visual monitoring and tracking system throughout the process using modern and information-based equipment, so as to realize the real-time video transmission of self-owned feed companies, breeding farms and slaughterhouses, and tracing of the end meat products through QR codes.

Breeding Source Management



Pre-slaughtering Sampling

- Assigns special personnel to take samples for inspection 1-2 days before slaughter;
- Video and GPS line monitoring of sampling process;
- All links from sampling to issuance of report shall be subject to compliance management.



Contract Acquisition

- Arranges slaughtering plan according to breeding contract;
- Arranges the drug withdrawal period according to the medication procedure;
- Cuts off the food and water supply before slaughtering.



Logistics and Transportation

- Reduces the stress and injury of poultry;
- Thermal insulation with wind-shielding cloth in winter;
- In summer, fans and sprinklers are used for cooling down.



Quarantine Acceptance

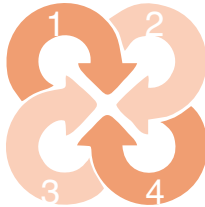
- Conducts group and individual tests
- Quarantine Certificate of Animal Origin
- Feeding Log
- Approval Notice

Production process control

Execute HACCP management system

1.Raw Material Control

- Closed-loop breeding data (seedling, feed and medicine)
- Strictly manages the breeding process
The manager visits the breeding house for inspection every 3 days
- Strictly manages the breeding process
- The manager visits the breeding house for inspection every 3 days



2.Process Control

- Microbiological control of production environment (water, air and contact surface)
- Sterilization of equipment, facilities, tools and instruments and personnel
- Control of production time and temperature

4.Inspection Support

- Conduct group and individual tests
- Quarantine Certificate of Animal Origin
- Feeding Log
- Approval Notice

3.Storage and Transportation Control

- Temperature control of quick freezing, storage and transportation
- Time control of turnover, warehousing and loading
- It can only be delivered after passing the test.

Technological Innovation

We actively participate in the research of national key R&D projects, deeply study the advanced technology in the industry, and promote the transformation and application of new technologies in the company, so as to contribute to the high-quality development of the company.

We also actively participate in the formulation of various national and industrial standards. In order to standardize the food safety management of the industry and lead the development of the industry, in 2021 we participated and presided several standards which have been released, including 1 industry standard, 2 national standards and 2 group standards.

Biological Inspection Technology of Zebrafish

In the aspect of meat safety evaluation, on the basis of satisfying the national laws, regulations and standards, we introduced the biological technology model of zebrafish to carry out the innovative pilot project for the comprehensive safety evaluation of meat products.

Zebrafish shares 87% homology with human genes, and is listed as the third largest model organism behind rat and mouse by the National Institutes of Health. It is the only vertebrate suitable for high-throughput drug screening. The group standard Test Method for Zebrafish Embryonic Biological Effect of Poultry Meat (T/CMATB 11001-2021) led by our company was officially issued by China Meat Association in December 2021.

The application of comprehensive evaluation of zebrafish embryo on meat biosafety is still blank in China. Using international mature zebrafish embryo technology to evaluate the biological safety of the products can provide reliable reference for consumers to choose good products.

Food Safety Culture

In the Six Red Lines of New Hope Liuhe, we listed the "violation of food safety due to negligence or malfeasance" as a red line, issued the Food Safety Red Line Management Measures, and regularly organize the inspection activities of food safety red line and warning line.

We have also carried out a series of food safety training sessions to improve the food safety skills, knowledge and awareness of all staff, including the ability improvement training of safety and quality managers of food companies, special training of reserve personnel in new factories, one-to-one interactive training for echelon personnel, and food safety training for functional departments. In 2021, a total of 7 training sessions on improving the ability of safety and quality managers were organized, covering food safety, product quality, laws and regulations, and 131 special training sessions were organized for each company.

Animal Welfare

In accordance with the overall requirements and deployment of the Ministry of Agriculture and Rural Affairs for promoting the high-quality development of animal husbandry and veterinary industries throughout the country during the 14th Five-Year Plan, we speeded up the construction of animal welfare standardization and standardization system, and set out a road for animal welfare development with Chinese characteristics as per the requirements of international animal welfare.

Physiological Welfare

- Livestock and poultry raised or purchased shall have free access to food and water;
- Scientific feed formula, accurate nutrition, ensure nutrition intake throughout the growth cycle;
- Automatic feed and water line for timely feed and water supply.

Environment Welfare

- The farm adopts high-standard human-used buildings and thermal insulation measures;
- Equipped with automatic temperature control, lighting, drinking water, ventilation and feeding system;
- The intelligent environmental control system can monitor and warn the on-site environmental indicators, including temperature, humidity and PM2.5, in real time, and accurately manage the breeding environment.

Health Welfare

- The poult, feed, veterinary drug, drinking water and environment shall be tested for antibody, microorganism, drug sensitivity, mycotoxin, total hardness, heavy metal and colony count, coliform group, etc. to ensure the safety of breeding inputs;
- The water line shall be regularly flushed with high-pressure cleaning equipment to eliminate the accumulation of biofilm in the waterline pipeline and protect the intestinal health of animals;
- Strictly implements the procedures of disinfection and standing of empty sheds after leaving the camp, so as to provide safe and healthy sheds for newly-entered livestock and poultry;
- Carries out regular cleaning and disinfection of vehicles and cages for transporting livestock and poultry.

Psychological Welfare

- Through intelligent equipment management and information-based Online monitoring, reduces the contact between personnel and chickens and reduce stress reaction during breeding;
- Stops feeding and rest before livestock and poultry transport, adopts mild mode to transfer livestock and poultry, so as to reduce stress response during long-distance transportation;
- Gas fainting and water-bath fainting were used to reduce the pain of animals in the slaughter process and improve the muscle quality after slaughter.

Behavioral Welfare

- Enough room for movement of livestock or poultry raised or purchased.

Customer Service

We always adhere to the service concept of "customer first" and devote ourselves to creating professional, efficient and warm service experience for customers.

Customer Feedback System

In 2021, we upgraded our customer service center, built a professional customer service system, with 7*24-hour customer service covering businesses from feed, breeding, slaughtering to deep processing, and real-time response to customer consultation and complaints.

The customer service center shall uniformly handle customer requirements, track and handle, analyze reasons, formulate solutions, and carry out customer return visits to realize the implementation of customer requirements and response to everything. And it also examines itself from the customer's point of view to improve the company's management.

In 2021, the Customer Service Center received 11,000 customers, realizing 100% solution of customer needs.

Biosafety Technical Service System

Facing the infection with African swine fever virus, the feed industry of the company has made every effort to build six closed-loop biosafety service systems, which will help large-scale pig farms to resume production by utilizing professional technical service capabilities through the technical service team. We are committed to conducting 1,800 animal protection tests, creating 52 standard SOPs, and helping 1,246 farms and 500,000 sows to recover.

★ 2+1 (Three Special Classes)

Precise nutrition
accurate breeding
professional team

📖 Evaluation Services

Identify problems,
evaluate problems
Communicate problems
and solve problems

🔗 Batching and Data

Batch production,
PSY analysis
Cost analysis
and construction analysis



📄 SOP Promotion and Application

Standardized process
on-site co-management
value output

📄 Animal Protection Products

Non-packaged prevention
Large-scale pig farm health programme
Treatment of epidemic diseases

📄 ASF Standard Services

Level 4 prevention and control,
recovery process,
animal protection detection
and improvement of pig farm

Poultry Farming Services

The poultry industry of the Company provides farmers with six service guarantees to help farmers improve their breeding income.

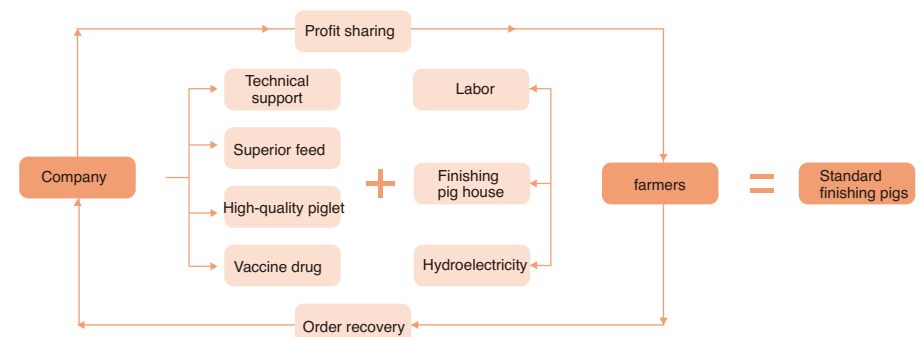


We have established a disease prevention and control system composed of veterinary team and laboratory testing team to carry out regional disease prevention and control work. In 2021, we will build 15 high-standard animal protection laboratories, adhere to the principle of prevention first, scientific diagnosis and accurate prevention and control, do a good job in monitoring and early warning mechanism of major epidemic diseases, timely grasp epidemic situation, and do well in relevant prevention and control work.

Service Mode of Pig Industry

Relying on the efficient and intensive management of new hope Liuhe, Hope Farm is a mutually beneficial and win-win pig breeding model between the company and farmers. The company provides technical support, high-quality piglets, excellent feed, vaccine drug and order recovery; Farmers provide labor, standard finishing pig houses, water and electricity and other production costs. The company shall bear the market and capital risk, and the farmers shall bear the necessary production cost, so as to realize the company's benefits and increase the income of farmers.

Hope Farm follows the principle of "six unification of company, three non-responsibility of farm". The company uniformly provides weaning piglets, feed, vaccine drug, management and technology, farm construction standard, order recovery, as well as professional measures to help farmers improve breeding efficiency, and support and training of pig breeding technical system. Farmers provide standard finishing pig houses and labor, focus on daily feeding and management of finishing pigs, return to the nature of breeding, pay close attention to production performance and focus on breeding work.



Advocate Healthy And Nutritional Dietary Fashion

We have developed a series of meat products according to the needs of food consumers for nutrition, health and rich eating scenes, with "high barrier, fine production and strict quality" as the core and the concept of "good material, good taste and safety". A series of core products, such as farm crispy meat, beef slices, chitterlings and kebabs, open up catering channels such as hot pot, barbecue, Chinese food and group meals. At the same time, the brand cross-border activities are carried out with the main line of "farm crispy pork, crisp fried spareribs, treasured piglet" and so on, and the C-end market is comprehensively arranged by relying on new platforms, using new methods and opening new channels.

Soulcook 灵感食光

In September 2021, the new high-end meat product Soulcook was officially launched. As a new emerging brand of high-end meat products, it is committed to creating the brand of "healthy meat products that better understand Chinese consumers". Through the analysis of big data and in-depth study of Chinese and Western food culture, Western-style products should be more sinicized so that thousands of families can enjoy nutritious, healthy and restful meat products.

In addition to the high-quality bacon in the air with "no-antibiotics" features, Soulcook has also developed products such as sliced light-duty ham and flavorful sausages, which enrich the breakfast scene. Daily collocation of bread, eggs, milk and other foods can not only satisfy the stomach, but also supplement nutrition. In addition, the family can enjoy a nutritious breakfast time in a quarter of an hour each day.



THE POWER
OF BEING TRUSTWORTHY
NEW HOPE LIUHE

Upgrade of Overseas Breeding Technology

In Indonesia, Jakarta Company gives full play to the advantages of technical service and introduction of high-quality equipment, assists customers to carry out breeding management and breeding technology upgrading, reduce breeding costs and improve user's breeding benefits. According to the chicken management stage and customer characteristics, the company provides 3+1 breeding technology upgrade service.

Upgrading service of 3+1 breeding technology

According to the technical characteristics of breeding management of 0-12 week-old laying chickens, the company puts forward "nanny service for laying chickens". The company dispatches technicians to instruct the chicken farm staff to carry out breeding management, and provides technical training in details such as temperature control, lighting and chicken flock evenness management.

For the chickens transferred to the laying hen house after 13 weeks, "housekeeper service for laying hens" is provided, and the company's technicians patrol the site, provide regular guidance on the feed intake of the flocks and immunization points after 13 weeks, assist in the analysis of management reports and conduct on-site training.

The company has established an animal protection laboratory, purchased and equipped the first poultry animal protection service vehicle in the industry, and provided routine patrol and 24-hour emergency service for customers. The service items cover the daily management requirements of customers such as routine epidemic situation monitoring, emergency disease detection, drug sensitivity test, bacteria and water quality detection, etc.

+1

In addition to the above-mentioned three services, the Company also regularly arranges the departments of formula, production, quality, finance, etc. to cooperate and to provide customers with all-round upgrading services from breeding management to operation management.

Supplier management

Suppliers are our important partners. On the one hand, we are committed to promoting the standardization, systematization and specialization of supplier management and ensuring the quality of products from the source. On the other hand, we communicate closely with suppliers, cooperate deeply and innovate together to realize mutual prosperity, mutual benefit and win-win situation.

Supplier Management System

Supplier access mechanism

Establish supplier access standards and procedures; organize supplier access review team involving technology, quality control, finance, audit, etc. to carry out sample inspection, on-site inspection and scoring for suppliers.

Unified sample management process

The supplier's initial inspection report, investigation sampling inspection report and cooperation

Unified on-site inspection standard

Establish the investigation template according to the category + supplier type.

Supplier assessment

Regularly supervise and evaluate suppliers with supply records within a fixed period; Assist the supplier whose performance needs to be improved to improve; Eliminate unqualified suppliers.

Hierarchical management of suppliers

Classify suppliers according to the supplier evaluation results, and conduct differentiation management.

Supplier incentive and exit

Evaluate the supplier cooperation process impartially, objectively, quickly and efficiently, and rectify timely; Increase the proportion of high-quality suppliers and purchase quota, and timely eliminate unqualified/long-term non-cooperative suppliers in performance evaluation; Suppliers with major breach of contract and touching the red line of cooperation shall be blacklisted after verification to restrict subsequent cooperation.

NEWS

Extracts from Relevant News Reportst

The Mission of Ten-million-Yuan Top-selling Crispy Meat to Promote the Development of Upstream Industry with Terminal Food (Excerpt)

Reporter of Agricultural Wealth Xinmu.com/Li Xiaojia Intern Reporter/Xu Xiaomin Coordinator/Peng Jin

The crispy meat was developed aiming at the hot pot market. In fact, we chose the hot pot market three years ago to sell ham sausage and lunch meat, but we didn't take it as a key development channel. Later, it was found through investigation that the compound growth rate of food and beverage every year was around 10%, while the compound growth rate of hot pot market reached above 12%. It seemed that "Hot pot shops are opening all over the country".

So we decided to keep up with the trend and start with the pain points of the industry. According to the investigation, it is found that most of the guests must order small crispy meat when they wait for the hot pot seasoning to boil. If the chef of hot pot restaurant fries it by himself, he should buy meat, cut meat and cook, and if the chef is changed, the restaurant will also have the problem of unstable quality. And if the fried crispy meat is too much to sell, it will not be crisp or fresh the next day. If we make small crispy meat into frozen products, we can make the hot pot shop operate quickly and standardized.

After doing it for a while, we found that consumers love to eat it, so I thought about letting the crispy meat go into family consumption. During last year's epidemic, we found Li Jiaqi on a live broadcast with an unexpected hit. The first six-second live broadcast sold more than 4 million. Later, we cooperated with Luo Yonghao and other head hosts to sell the product, and more consumers knew and tasted the crispy meat. The achievements of live delivery also play a role of endorsement for products, facilitating cooperation with distributors and chain restaurants after the epidemic becomes stable, boosting production capacity and creating a compound effect of online and offline linkage.



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03



Science & Technology Leading

Building smart urban and rural areas with innovation exploration

- Science & Technology Exploration
- Digital Enterprise

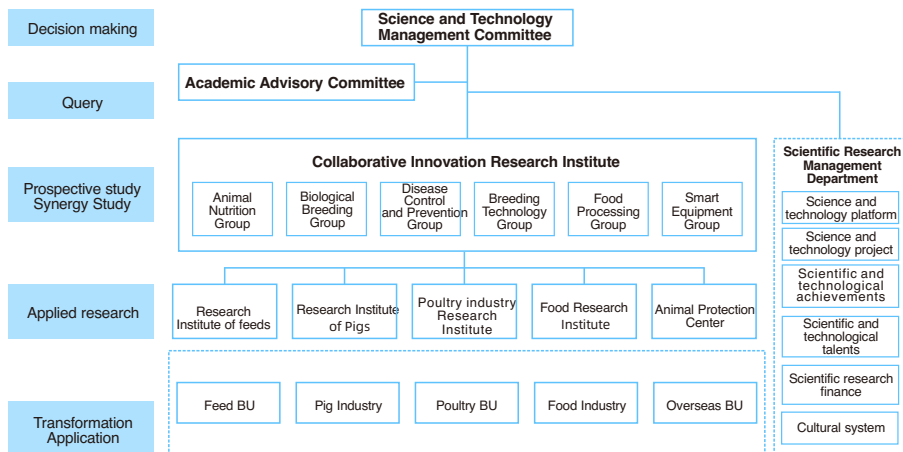


Science & Technology Exploration

"4+1+1" Scientific and Technological Innovation System

New Hope Liuhe adheres to scientific and technological innovation-driven, continuously increases the intensity of scientific and technological research and development and innovation, promotes the transformation and application of scientific and technological achievements, and strives to be a leader of scientific and technological innovation in agri-food industry.

Under the guidance of the new three-year industrial development strategy, the research fields consists of biological breeding, animal nutrition, breeding technology, disease prevention and control, etc. The "4+1+1" scientific and technological innovation system has been established. Four industrial research institutes, such as Feed Research Institute, Pig Research Institute, Poultry Industry Research Institute and Food Research Institute, carried out applied R&D work, collaborated with Innovation Research Institute to carry out forward-looking and collaborative research, and Animal Protection Center carried out research work supporting the whole industry, basically realizing the scientific and technological empowerment to cover the whole industrial chain of agriculture and animal husbandry, and helping the company to develop sustainably and with high quality in various fields such as feed, pig industry, poultry industry, food processing and safety, and animal husbandry, etc.



308

patent applications in 2021

63

invention patents

2,314

overall patent applications

1,515

authorizations obtained



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6H Antigen Free Feed Comprehensive Solution

On the basis of summarizing the scientific research achievements of leading universities and research institutes in the world, New Hope Liuhe has developed a six-in-one "6H (Heart)" antigen free feed aiming at pig breeding problems and pain points covering nutrition, ingredients, process, production, environmental protection and health.

Among them, based on providing antigen-free, high-efficiency and profit-making feed products, New Hope Liuhe has developed a series of eco-friendly, healthy and safe teaching and protection materials products free from swine-derived materials including spray-dried animal plasma, spray-dried blood cells and porcine protein—Xinsancan (Xinxiang, Xinshi and Xincheng). This series of products advocate returning to the originality to meet the piglet demand and place pig as the basis; Accurate nutrition supply, adopting health control technology and feeding control technology make piglets eat without diarrhoea, grow well. A smooth transition between education, protection and piglet feed can be realized, and unique value for a large number of New Hoped pig-raising customers can be created.

Bio-environmental Feed

Based on the basic law of animal nutrition, the bio-environmental feed technological system, with the material excretion law as the research basis, integrates the advanced technologies such as biological fermentation technology, enzymolysis hydrolysis technology, nitrogen and phosphorus emission reduction technology, microbial strain screening and combination technology, heavy metal emission reduction technology and excreta deodorization technology to develop a bio-environmental feed with high digestibility, health, safety and low pollution.

The bio-environmental feed can improve the palatability of feed, stimulate the intake of livestock and poultry, improve the digestibility and utilization ratio of nutrients in the feed, be beneficial to the intestinal health of livestock and poultry, enhance the immunity, degrade toxic and harmful substances in the feed, produce growth factors, and effectively inhibit the propagation and growth of Escherichia coli, Salmonella and some pathogenic bacteria and pathogens in the feed and digestive tract. The bio-fermentation technology adapts to the requirements of ecological construction. It will reduce the excessive intake of nutrients from the source, improve the utilization efficiency of nutrients by animals, effectively reduce the discharge of organic matter, nitrogen, phosphorus and heavy metals in livestock and poultry excreta, reduce the greenhouse gas emissions of ruminants, greatly reduce the environmental pollution caused by the production of pigs, poultry and ruminants, and promote the long-term development of animal husbandry.

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At present, through many years of R&D iteration and exploration, we have created a new type of bio-environmental protection feed with wet-based fermentation raw materials covering the all livestock species, and created a full series of bio-environmental feed brands of "Qingyinji, Yuezeican, Danduoduo, Yuyuhuan, Niuyunlianlian and Yangyangdeyi". In 2021, 105 mobile fermentation platforms have been established in China, with the output of raw materials on wet basis exceeding 164, 000 tons, and the annual sales volume of bio-environmental protection feed exceeding 4.9 million tons.

Intelligent Breeding

In terms of promoting intelligent pig breeding, New Hope Liuhe is committed to developing intelligent breeding equipment, establishing a digital platform, promoting continuous upgrading of intelligent pig farm in the fields of biosafety prevention and control, production management efficiency improvement and equipment system improvement, so as to realize unmanned/less humanized pig farm management, intelligent/digital production assistance and modern breeding mode.

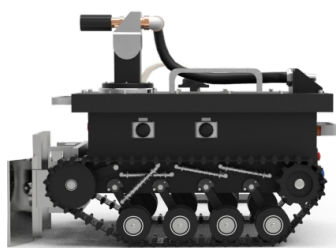
Dung Ditch Cleaning Robot

The self-developed dung ditch cleaning robot can replace personnel to enter into the limited space to clean the last corner of the pig farm, which improves the cleaning efficiency and improves the working environment of the staff and reduce the working intensity.

Crawler robot chassis

Push the feces to clear the silt, and eliminate the stubborn dung accumulation

High-pressure flushing, no sanitary dead space left



Patrol And Temperature Measuring Robot

Provide customized service for precise infrared temperature measurement system according to livestock and poultry breeding environment. Through the research on accurate temperature measurement methods and models of pigs, AI intelligent infrared temperature measuring terminal and whole business flow suitable for multiple scenarios are finally formed, which can quickly and effectively detect problem pigs.



Self-tracking, self-avoidance and precise positioning

Remote/automatic flexible switching

The high-precision sensor can detect the temperature, humidity, ammonia and hydrogen sulfide in the shed in real time.

The radar detection system can monitor the respiration and heart rate of pigs in real time

HUGE-HOPE breeding software

HUGE-HOPE is a comprehensive breeding and production management software with independent intellectual property rights developed according to business needs.

Compared with the traditional breeding software, HUGE-HOPE breeding software can realize the calculation of 6 growth traits + 6 reproduction traits by using the independently developed breeding value calculation engine. It also increases many important economic traits and realizes balanced breeding. At the same time, the environment and phenotype data can be collected automatically by Internet of Things technology, and the phenotypic data can be collected and analyzed automatically by combining AI technology. The pigs can be evaluated by combining the qualitative and quantitative traits, and then the breeding value of the whole herd can be calculated jointly.



Intelligent, standardized and refined business data collection:

Efficient combination of production and breeding software:

Automatically select scheme to improve the production performance of the whole industry chain:

Safety improvement of breeding data:

Integrate the whole group to use RFID electronic ear tag, and the data can be scanned and uploaded automatically to realize intelligent/fine field management of breeding pigs.

It can realize production + breeding data input, breeding pig pedigree file management, breeding analysis and other functions, and then production and breeding personnel can control the key performance index data of pig farm in real time.

Through precise introduction pig herds can be improved, the production level of industry chain breeding is enhanced, a closed-loop selection process at the same time is formed, and the implementation of matching scheme can be tracked.

With independent intellectual property rights, independent management of breeding data and strong database confidentiality.

Three-dimensional Multi-storey Swine Buildings

Traditional pig-raising mode is "planar", which means when the larger scale breeding is conducting, the more land area is needed. However, building culture changes from "planarization" to "three-dimensionalization", which can utilize the minimum land area to achieve maximum productivity benefit, which is of obvious value in areas where breeding land is scarce. At present, the New Hope Liuhe has promoted the three-dimensional building pig raising model in Jiangsu, Zhejiang and other places.

Advantages of Multi-storey Swine Buildings:

Save land

The construction area of multi-storey mode is about one quarter of that of the plane.

Efficient breeding management

The multi-storey swine building is designed according to the actual growth demand of pigs. Each floor house is an independent intensive pig farm, which is convenient for efficient management and improves efficiency.

Be conducive to biosafety prevention and control

The overall floor area is small, and the epidemic prevention system can be designed according to local conditions to reduce the internal contact surface with the environment, which is conducive to biosafety prevention and control.

Efficient disposal of manure

Electric gate valve shall be used to control the discharge and storage of manure ditch, so as to reduce manual operation and improve the efficiency of fecal discharge.

Good breeding environment

Water curtain cooling and geothermal heating shall be adopted to regulate the temperature; The high-rise building is ventilated and transparent, and the air is fresh and cool. enjoying good ventilation, good daylighting, easy cooling and heating regulation and so on.

High degree of mechanization

It adopts three-dimensional floor breeding, automatic manure cleaning and automatic feeding, which is high in efficiency and low in cost.

Zhongxin White Feather Meat Duck

Zhongxin White Feather Meat Duck is an excellent new line of meat duck jointly cultivated by New Hope Liuhe and Beijing Animal Husbandry and Veterinary Research Institute of Chinese Academy of Agricultural Sciences. It has completely independent intellectual property rights and breaks the monopoly of foreign meat duck breeding. Zhongxin White Feather Meat Duck is characterized by fast growth rate, high feed conversion efficiency and lean meat rate, strong reproductive performance and stable heredity. The production performance indexes of its ancestor, parent generation and commercial ducks have reached the international advanced level. New hope Liuhe independently developed the meat duck breeding system, and started molecular breeding, which further improved the breeding efficiency.

At present, Zhongxin White Feather Meat Duck has completed the breeding of 9 generations of each strain to maintain excellent growth performance of commercial generation and further improve the production performance of parents. In 2021, nearly 15,000 units were sold by the ancestors and parents of Zhongxin White Feather Meat Duck, and 380 million pieces of products were produced and sold on behalf of others.

Digital Enterprise

New Hope Liuhe aims to build a digital intelligence driven enterprise, and firmly and continuously promote digital transformation and intelligent upgrading with "smart enterprise", "industrial interconnection" and "digital ecology" as the development main line. By deconstructing the business scenario, New Hope Liuhe establishes a full-link link from human to animal and from software to hardware, so as to realize the digital goal of "business and digital as a whole", provide application solutions and all-round technical support required for digital intelligence transformation for all industrial sectors, and build an excellent operating enterprise driven by "full chain online, full staff online, comprehensive intelligence and comprehensive optimization of indicators".

Digital Ecology

We actively explore the new infrastructure construction of smart agriculture and animal husbandry and the upgrading of digital enabling industry, focus on the digitalization of industrial characteristics, research and development and operation of digital transformation products of various industries, and promote the co-construction of "digital ecology" by using big data and AI technology.



Digital Products

Huiyangzhu

Based on the pig farm production management software of self-breeding and self-rearing business, the whole life cycle management of pigs is carried out, and the experience pig rearing is comprehensively transformed into data pig raising, so as to realize production visualization, management traceability, risk warning, personnel function transformation, asset management effectiveness, material consumption accuracy and cost accounting accuracy.

Cloud stocking

A pig stocking management platform based on "internet + big data", which is used to realize the comprehensive intelligent, standardized, visualized and controllable management of the whole life cycle management of raising households and stocking production process, to realize the comprehensive management of seedling feeding, feeding, dead scouring, immune medication, patrol monitoring, sales and settlement, and to help standardize the production process of commercial pig stocking business management, and monitor the asset safety, feed and drug use compliance.

Jubaozhu

Live pig trading platform, which gathers buyers and sellers, provides various trading modes such as bidding, pricing and purchasing, provides more convenient trading channels, and improves the efficiency of trade matching.



The breeding-sales-slaughter data are accessible, and the pig data can be traceable throughout the process to improve the biosafety.



Data-based trading matching to find high-quality buyers for pig farmers.



Data-based trading matching to find high-quality buyers for pig farmers.



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Digital Factory

Factory logistics: Create a collaborative platform of digital logistics in the plant area to efficiently support procurement and sales business

Automatic vehicle identification

- License plate recognition
- Auto release
- Auto current limit

UWT

- Self-weighting
- Anti-cheating monitoring

Wisdom hall

- Independent billing and printing
- ID/QR code identification
- Online payment

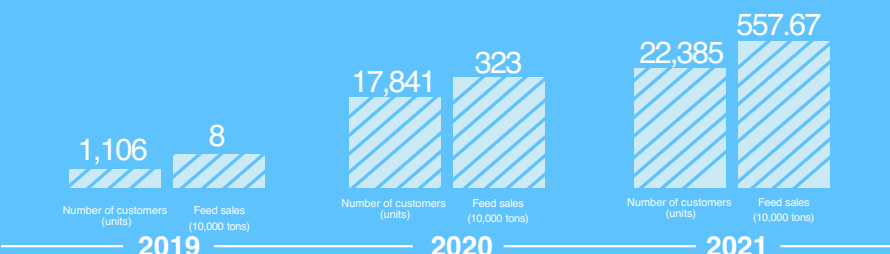
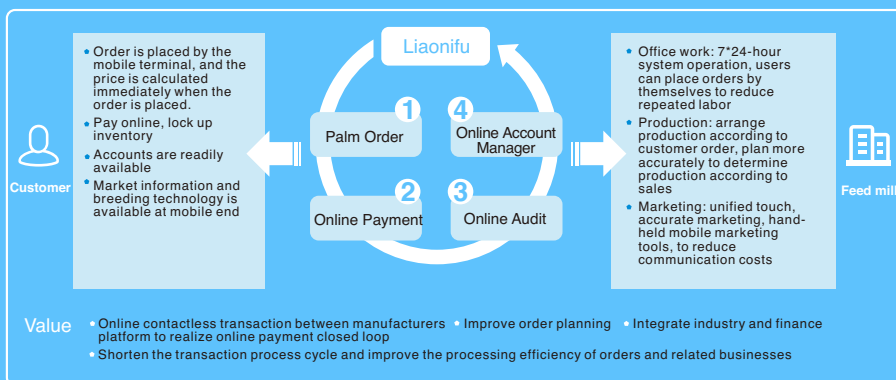
Queuing number

- Large LED display
- Public address call
- SMS notification

Online near infrared and Online moisture detection

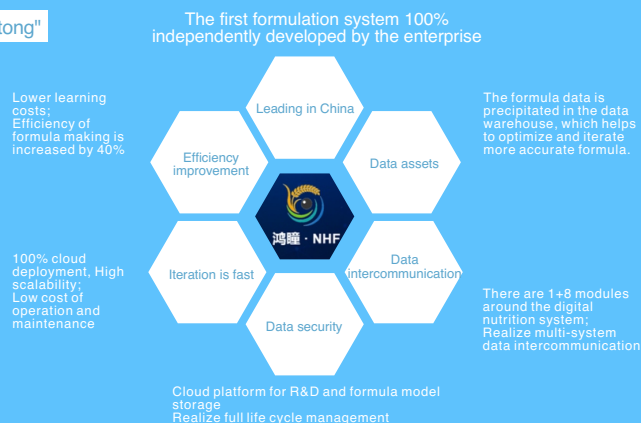
- Online near-infrared informatization
- Online near-infrared digital nutrition formula regulation
- Online near infrared product moisture control and quality confirmation
- Visual recognition and monitoring of bulk raw material feeding

Liao Ni Fu



Digital Nutritional System of "Hongtong"

The first phase of the construction of "Hongtong" digital nutrition system has completed the development of Independent Formulation System of New Hope Liuhe (NHF), which has made great breakthroughs in the improvement of database, accuracy of algorithm and convenience of use.



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NEWS

Extracts from Relevant News Reportst

Fresh Duck Blood, a New Favorite of Food and Beverage: New Hope Liuhe for Anti-cyclic Value Increase of Poultry Industry (Excerpt)

Qilu Evening News·Qilu Yidian Reporter: Ren Leilei

Take 50 grams of fresh duck blood from one duck, transport at -18 °C by cold chain for preservation.

According to Wang Lu, the New Hope selects healthy, traceable and qualified ducks from non-epidemic areas for duck blood. The process of obtaining duck blood is also very careful. After slaughtering, it is necessary to adopt intermediate blood through a series of operations such as air filtration and bloodletting.

The reporter saw in the slaughtering and blood collection workshop of New Hope, after multiple disinfection and filtration of duck blood, the duck blood was injected into the pre-cooling tank for rapid cooling and dormancy, and then it is automatically filled and put into storage. The New Hope adopts the quick freezing warehouse below -28°C to ensure the fresh nutrition of duck blood. Then, the whole process of freezing, storage and transportation below -18 °C is temperature controlled to ensure food safety.

"The normal blood sampling volume of a duck is 80-150g, but in order to ensure food safety, we only produce about 50g. The duck blood at the front end is easy to have impurities, and at the back end does not meet the requirement of freshness, so we can only take one third of the middle."

Wang Lu told the reporter that fresh duck blood can preserve the nutrients in duck blood to the greatest extent and ensure that protein and mineral components are not lost through instantaneous dormancy preservation technology and whole process cold fresh (frozen) storage and transportation. In the taste, fresh duck blood is freshly made, easy to operate, fresh and nutritious, tender, smooth and refreshing; The high-temperature duck blood on the market has a rough texture that affects the taste.



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04



Giving Back to Society

Creating beauty with hope

- Fighting Against the Covid-19 Together
- Social Good



Fighting Against the Covid-19 Together

In the post-epidemic era, the COVID-19 epidemic is still recurring from time to time everywhere. We strictly implement the COVID-19 prevention and control guidelines and disinfection measures, and upgrade the COVID-19 prevention and control measures for food. Also, to curb the epidemic near subsidiary companies of our Company, we are determined to resume production, guarantee the supply of meat and food, and donate materials to support the fight against the epidemic.

Upgrading Prevention And Control Measures

In view of the epidemic prevention risks in the cold chain environment, we organized a professional technical team to formulate a series of COVID-19 prevention and control measures for food based on the prevention and control documents issued by national prevention and control departments and the achievement data of new prevention and control technologies, and conduct follow-up inspection for the implementation of such measures.

Through upgrading prevention and control measures, we adopted "manual and physical prevention", implemented personal protection and environmental disinfection in procurement, logistics and transportation links and plant links, and carried out prevention and control measures from the three dimensions of manual prevention, physical prevention and environmental disinfection, so as to cut off possible transmission channels and ensure public health and safety.

Supporting Anti-epidemic Frontliners

Xi'an: Protecting the "stomach" during the fight against Covid-19

In December 2021, after the outbreak of the epidemic in Xi'an, Yangling Besun Agricultural Industry Group Co., Ltd., a subsidiary of the Company, worked overtime to ensure pork supply in the market from slaughtering, cutting to logistics links. The daily processing capacity increased from 450 pigs to 550-600 pigs, and the daily pork supply of 50 tons was continuously delivered to Xi'an market 24 hours, providing a strong guarantee for the life of the masses under the epidemic.



In order to carry out epidemic prevention and control during transportation, all drivers wore protective clothing and masks in strict accordance with epidemic prevention requirements, and nucleic acid tests were made every day. After delivering the goods to designated places, they avoided facing customers directly to ensure the safety of materials and personnel.

We also expressed our love and salute to the staff of five duty stations such as East Exit and West Exit of Yangling Expressway Toll Station, with meaty sparerib soup and crispy pancakes with chopped green onions.

The Company donated 13,200 portions of "Besun High-end Chilled Fresh Meat" to Shaanxi Charity Association. The products are customized vacuum packaging products with isolation contact, with a total value of 500,000 Yuan. In addition, all subsidiary companies, districts and settlements of New Hope Liuhe successively contacted epidemic prevention and control headquarters in Yangling Agricultural Hi-tech Industries Demonstration Zone, Yongshou County, Jingyang County, Sanyuan County, Linwei District, Pucheng County, Heyang County and Luochuan County, and donated urgently needed tents, food, drinking water, protective clothing, masks, disposable gloves, earmuffs, disinfectants and other epidemic prevention materials for the frontliners.

Nangong: fighting against Covid-19 together to guarantee production and supply

On January 3, 2021, Covid-19 cases occurred in Nangong City, Hebei Province, and the Nangong Municipal Government called on all people to fight against Covid-19. Hebei Qianxihe Catering Co., Ltd. of the Company organized all staff to carry out three rounds of nucleic acid tests and voluntary vaccination according to the unified arrangement of the municipal government, implemented overall disinfection inside and outside the plant according to the Company's epidemic prevention and control instruction manual, so as to strengthen personnel protection and operation management.

In order to guarantee the meat production and supply, the Company launched the emergency plan to carry out closed management and guarantee production by overtime of all staff. The Company selects 260 employees with single travel route to form a rush job brigade, and the production line operated for more than 16 hours to guarantee the daily slaughtering capacity of 700 pigs.



Knowing that numerous frontliners were facing temporary shortage of materials, Hebei Qianxihe urgently contacted its brother enterprises and donated 1,000 ham sausages and 2,000 boxed of milk to Nangong epidemic prevention and control headquarters.

Chengdu: Meihao brand hot pot achieved dreams for citizens fighting the epidemic

At the beginning of November 2021, a new round of the epidemic occurred in Chengdu, locking down several communities including Dingfeng Shui'an in Jinniu District. On the morning of November 16, 2021, learning that Chengdu citizens "wanted to have a hot pot most" after the lockdown was lifted, Meihao brand delivered hot pot ingredients to them immediately to achieve their dreams.



Anti-epidemic Overseas

In the face of complex COVID-19 overseas, overseas companies strictly implemented prevention and control system, constantly improved district epidemic prevention system, publicized the knowledge related to COVID-19 prevention and control through bulletin boards, boards, training, adhered to monthly review of epidemic prevention and control measures, found weaknesses and made up for defects, dynamically replenished epidemic prevention materials, organized staff for production and operation in plants, and did their best to fight against the epidemic. Besides, overseas companies actively donate funds and materials to fight COVID-19



Donation of 10 million kyats to Myanmar National Anti-Epidemic Fund for the purchase of the COVID-19 vaccine.



The Philippine district won the first prize of "Anti-epidemic Publicity Award" by Embassy of the People's Republic of China in the Republic of the Philippines.

Social Good

Hope Project

Since 2016, New Hope Liuhe has continuously organized the June 1st Wish Campaign for six years in Zhaojue, Liangshan Prefecture, Mujiaba, Bazhong City, Sichuan Province, Babu Township, Ya'an City, Sichuan Province, Meigu County, Liangshan Prefecture and other places, mobilizing employees and social loving people to send June 1st wish gifts to children in poor mountain areas. By 2021, it has realized June 1st Wish for more than 18,000 children nationwide.

June 1st Wish Campaign for 6 years of New Hope Liuhe proposes to realize dreams for 6,020 children in 162 schools of 12 provinces, including Gansu, Shaanxi, Guangdong, Guangxi, Sichuan and Hubei.



6,020 children



162 schools

Xiaolin of Zaozhuang, Shandong Province, makes her daughter Meimei claim her wish every year. Her daughter likes painting very much, so they claim Li Honghai's wish of No.28 Bazhong Zhuangzi Primary School, because Li Honghai wants to become a painter in the future. Meimei also painted a beautiful watercolor painting for HongHai, hoping he is happy every day. Thus, the two hearts meet together from far away.



Little LiYan has two sisters and an older brother, she seldom receives gifts. After receiving the school uniform and a stationery gift package from the Wish plan, she felt very happy. While writing a wish card, she drew a little flower, but she removed it each time she painted it. When asked, she said she wanted to paint the most beautiful flower for the aunt who gave her the gift.



Warm Winter Project

Since the donation of 40,000 winter clothes for mountain villages in Tibetan area in 2014, "Warm Winter Project" of New Hope Liuhe has been carried out for 8 consecutive years, becoming the brand public welfare activity of the Company.

The "Warm Winter Project" of 2021 of New Hope Liuhe entered 5 remote villages in Ganzi, Aba and Liangshan Prefectures of Sichuan Province, and delivered fresh pork, rice, edible oil, ham sausages, milk, warm clothing, cotton quilt and yak feed to 687 villagers and 915 teachers and students, and sent professional breeding video courses, breeding books, broadcasting equipment and veterinary drugs to Sanya Town Farm, with a total value of nearly 300,000 yuan.



On December 22, "Warm Winter Project" and volunteers from Sichuan Feed Work Station delivered edible oil, ham sausages and warm clothing to villagers in Youri Village, Rangtang County, Aba County. Technical experts of New Hope answered questions of common diseases in yak breeding, brought yak concentrate supplement to ensure yaks to live in winter smoothly.

THE POWER
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Fighting Floods In Zhengzhou



During July 18-21, 2021, Zhengzhou saw rainstorms and torrential rains, with the accumulated average precipitation of 449 millimeters. After the flood situation, the Company carried out multi-sector linkage and rapid response, and organized emergency supplies and professional forces to assist frontliners according to the needs of the disaster area.

On July 22, 2021, the first batch of 2.1 tons of Meihao ham sausages organized by Henan Province arrived in Zhengzhou. Under the guidance of the local government, Xinliu Pig Breeding of the Company, located in Zhengzhou, set up a rescue team, mobilized mineral water, bread and other rescue materials, built the first free food distribution point at the gate of a waterlogged community, and distributed supplies for dustbinmen and frontliners.

On July 23, 2021, 856 supplies including two cargo trucks of Meihao ham sausages from Beijing, 1,651 ham sausages from Chengdu, canned food, self-heating rice, self-heating small hot pot and self-heating spicy hot pot arrived in Zhengzhou successively.

According to the government arrangement and disaster needs, rescue forces and materials of New Hope reached out to the front line, volunteers of New Hope Liuhe can be seen everywhere, from Zhengzhou to Gongyi, and then to Xinxiang. They actively organized local staff to distribute urgently needed food such as water, ham sausages and bread to the affected people, and they also donated rescue materials to severely affected areas such as Xingyang, Gongyi, Xinmi, Kaifeng and Xinxiang. Besides, the Company helped local affected farmers with disinfection and rebuilding after the disaster to resume production as soon as possible.

Snow Disaster Relief

From November 7th to 9th, the heavy snowstorm occurred in Liaoning Province. The accumulated snowfall in Tai'an area was more than 80 mm, and the road snow depth was nearly 50 cm. Booths of more than 40 farmers in Anshan Liuhe were damaged and even collapsed to different extent.

After the disaster, the Company coordinated resources to help the farmers to remove poultry from pigsties and reduce losses as soon as possible. Poultry that met removal conditions were slaughtered for salvage after qualified sampling. For ducks of younger age, duck-catching teams and transportation vehicles were arranged to transfer them at once. The Company has issued support policies to encourage disaster-stricken farmers to regain confidence, and set up base reconstruction service team to guide and participate in post-disaster reconstruction of farmers.

At present, the damaged booths have been basically rebuilt or repaired, and new poultry and seedling were supplemented into all booths to resume work and production.



Overseas Public Welfare

In order to promote traditional virtues of the Chinese nation and enhance the friendship between New Hope and Indonesian people, as the Lesser Bairam approached, the most important traditional festival in Indonesia, Makassar Company of New Hope in Indonesia paid a visit to Amana Kaharu Orphanage on the morning of May 7, 2021.



The staff of Makassar Company offered daily food such as rice, flour, oil and eggs to all orphans and all staff there, which further improved the food, health and the living conditions of the orphans. The Company also donated 2 million rupiah to help the orphanage improve the facilities and equipment so that every orphan can grow up happily and spend a joyful Lesser Bairam.

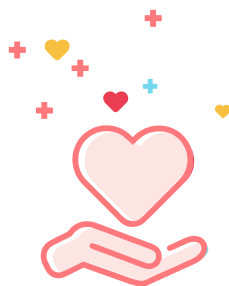
In July 2021, Turkey experienced a huge mountain fire, causing losses to a large number of farmers. Turkish Company launched gift package activity for some disaster-stricken farmers, giving 2 tons of feed such as cow feed and beef cattle feed to help farmers resume production as soon as possible and overcome difficulties.



Employees in southern district of Vietnam Company donated 61.45 million of Vietnam Dong to purchase disaster relief materials for flood-stricken areas in central Vietnam.

The Company invested nearly 200,000 yuan to cultivate local college talents with Beijing University of Agriculture and Forestry in Vietnam.

The Company worked with Northern Agricultural and Forestry College, Lao and donated 15,000 Yuan to the College, which was mainly used to cultivate and subsidize students who are excellent in character and study.



2021 Total External Donations of
25,756,104.52 yuan by New Hope Liuhe

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NEW HOPE LIUHE

NEWS

Extracts from Relevant News Reportst

More than 2,500 tons of New Hope meat products supplied to lockdown areas in Shanghai (Excerpt)

finance.china.com.cn

Employees living in the factory to ensure the food supplies in the lockdown area Ms. Xu, a manager,

Who has been engaged in food supply for Shanghai, had busy lines of her mobile phone these days, and she talked on the phone in a speedy manner - she, coupled with her team, has been in a state of emergency again since March 5.

Ms. Xu, serving the important guests column of New Hope Liuhe Food Industry, has engaged in the food supply for 2 years, which became a norm for her. According to her, the Company urgently arranged eight core backbones from Qianxihe factories of Hebei and Shandong to support pre-position warehouses in Shanghai Liuhe Qinqiang Food Co., Ltd. yesterday.

In pre-position warehouses in Shanghai, in addition to the 8 new colleagues who supported the production, processing and sub-packaging in the production workshop, 6 colleagues from the fresh food industry-eastern China supermarket team also joined them for sales and quality control.

Due to special requirements for epidemic prevention of fresh food, the 6 colleague team has started totally closed management since the beginning of March, living in the office on the 4th floor of the pre-position warehouse. They rested on chairs slept on the floor and ate instant noodles. They worked at 6 and 7 o'clock every morning, synchronized procurement information with staff in factories of Hebei and Shandong, coordinated production capacity in other areas and logistics in Shanghai, supervised ex-factory quality control, and supervised goods delivery to supermarkets like Hema and Sam's by vehicles every day. At the same time, they distributed government-scheduled supply orders and community group purchase orders to universities and communities until 1 or 2 a.m. every day. Each morning, they were woken up by reminder calls.



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the original text



05



Green Industry

Giving back to Nature With Circular Agricultural

- Environmental Protection Management System
- Environmental Key Performance
- Ecocycle
- Energy Saving
- Recycle



Environmental Protection Management System

New Hope Liuhe actively practices the national dual-carbon strategy, fully considers the process design of carbon emission reduction in newly-built projects, and carries out technical renovation and upgrading in existing projects to realize the carbon emission target.

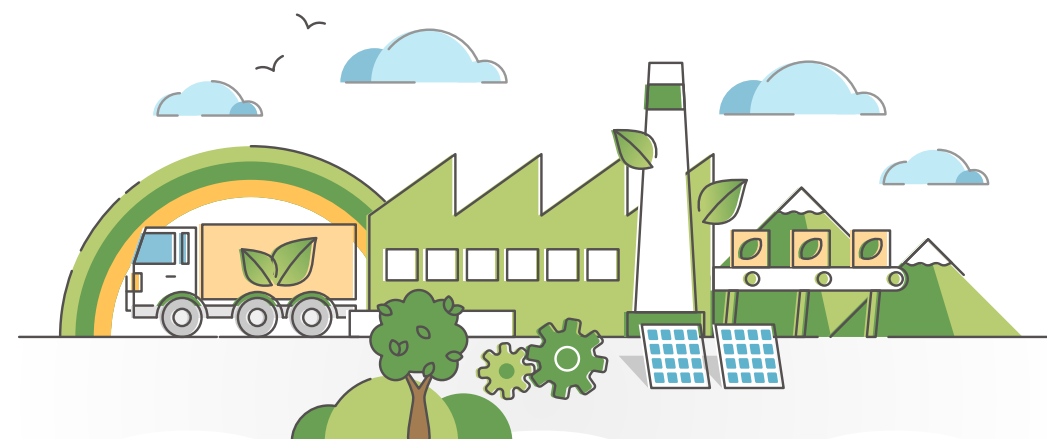
A five-level environmental protection management organization structure has been established from the headquarters to the industrial BU/headquarters, districts/columns, settlements, branches/subsidiary companies, and overall management of the environmental protection of the unit at the same level has been made. Regular on-site patrol and unannounced inspection systems have been established to continuously improve the level of environmental protection.

The Company has formulated and implemented Management Regulations on Medical Wastes and Disposal System for Solid Wastes.

In 2021, more than 20 special training on environmental protection have been organized, on-line, off-line and practical operation training have been made to conduct training on environmental protection process, equipment operation, environmental protection laws and regulations, as well as policy interpretation, serving staff engaged in environmental protection management and technology, along with on-site operation of various industries.

Environmental Key Performance

• Annual electricity consumption: 1,788,983,168 kWh	• Natural gas: 151,605,173 cubic meters
• Gasoline: 1,619,413 litres	• Diesel: 15,076,174 litres
• Standard coal: 74,525 tons	• GHG emissions (range 1): 500,933 tons CO2 equivalent
• GHG emissions (range 2): 1,076,982 tons CO2 equivalent	• Average annual production water consumption of sows: 16.3 litres/pig/day
• Average annual water consumption of feeding fat pigs: 8.5 L/pig/day	• Disposal of sewage: 23,133,901 m3
• Disposal of livestock and poultry manure: 154,696 tons	• Utilization rate of waste resources: 100%
• Reduction of COD emissions: 135,484 tons	



Ecocycle

In the process of pig breeding, we focus on the development of ecological recycling agriculture, allocate corresponding proportion of land according to the breeding scale of pig farm, and actively explore the combination mode of planting and breeding. Combining pig breeding with agricultural planting, we can gradually introduce the planting and operation logic while realizing the step-by-step utilization of manure resources and zero emission of pollutants, so as to create more economic value from wastes.

In sewage treatment, we mainly adopt three processes: "UASB+two-stage A/O", "CSTR" and "black-film biogas" according to local conditions. The effluent of "UASB+two-stage A/O" process meets the requirements of Discharge Standard of Pollutants for Livestock and Poultry Breeding (GB 18596-2001) and Standard for Irrigation Water Quality (GB 5084-2021). The biogas produced by UASB anaerobic reactor is used for boiler heating after dehydration and desulfurization, and the hot water produced by boiler is used for insulation of UASB tank, which can save gas resources. The treated water after reaching the standard is used for field irrigation. The "The biogas slurry produced by CSTR and "black-film biogas" is used for returning to the field, while the biogas residue is used to make organic fertilizer.



For pig manure treatment, the Company uses high-temperature aerobic fermentation tank to produce organic fertilizer, which turns pig manure into useful fertilizer. High-temperature aerobic fermentation tank utilizes microbial activity to biodecompose organic matter in pig manure, which makes pig manure harmless, stable, reduced and resourced.

In 2021, the Company developed the combination mode of planting and breeding in Liaoning and Hebei provinces, and transferred the cultivated land of 119,926 mu in total, including 63,542 mu of field planting area and 1,470 mu of fruit and vegetable planting area, providing 1.16 million kilograms of fresh fruits and vegetables for breeding farms.

The water consumption returned to farmlands for planting is 9,984,500 cubic meters, and the absorptive biogas slurry returned to farmlands is 1,143,500 cubic meters. The sprinkler irrigation area is 32,253 mu, and constructed pipeline network for biogas slurry returned to the field is 55 kilometers.

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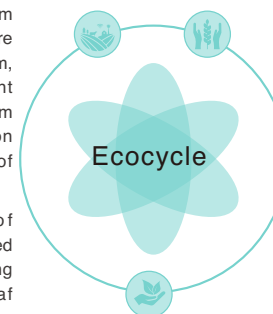
Juye Xinhao

- Greenhouses of Juye Xinhao are "star" buildings in the farm. As a pilot project of the greenhouse planting mode of New Hope Liuhe, Greenhouses of Juye Xinhao are equipped with integrated system of water and fertilizer, temperature and humidity monitoring system, water purification equipment system, summer cooling system and winter heat preservation system, with high degree of automation.
- More than 45,000 jin of vegetables have been harvested in the greenhouses, including more than 30 kinds of leaf vegetables, solanaceous vegetables and root vegetables. The harvested vegetables and fruits will be provided as the daily meals of employees in the farm.

Gansu Xinhao



- Gansu Daxieyou Pig Farm is a modern farm built in the deep mountain, with a total of 3,025 mu of supporting absorptive land and 5 sunlight greenhouses. In 2021, silage corns, potatoes, rapes and alfalfas were planted.
- The soil here is loessal soil with poor fertility, lacking nutrients and water resources. We make the organic fertilizer and reclaimed water produced by the pig farm return to the field and improve the soil, hoping to build a "land of idyllic beauty" of the pig farm in the deep mountain!



Energy Saving

The Company actively promotes energy-saving measures such as solar power generation, waste heat reuse, water saving from the source and reclaimed water reuse. The solar power generation capacity is 9.3181 million kWh, equivalent to reducing carbon emission by 9,103.77 tons. The poultry industry slaughterhouse recycles the treated and reclaimed water that meets the standard to wash the ground and dispense medicine in sewage stations, saving about 50,000 cubic meters of water per month on average and water of 600,000 cubic meters in the whole year.

Chengdu Meihao: Recycling of sterilized water

In order to guarantee food safety, save water and reduce emission, Chengdu Meihao food put forward the method of "closed operation" for recycling of sterilized water: directional consumption to solve the problem of water quality safety; The sterilized water link with high water consumption in high temperature workshop was reformed to promote the recycling of sterilized water. The water was collected by measures of recycling-cooling-reverse osmosis filtration-softening treatment-disinfection, and the independent water supply system was supplied directionally to the sterilized water link, reducing the daily consumption of tap water reduced from 1,100 tons to 580 tons.

The recycling of sterilized water relieves water consumption pressure of the workshop, reduces the waste of water resources and the discharge of sewage, achieving the effect of energy saving and emission reduction.

Yishui, Shandong: Energy Saving and Emission Reduction of Solar Energy Project

Yishui Company is located in south Shandong, with more than 10 hours of sunshine time in spring and summer. Therefore, the solar energy project was introduced there according to local conditions. At present, the project has been running for one year, which saved steam expense and 480 tons of standard coal. While creating revenue for the Company, the project reduced pollutant emission and contributed to energy conservation.

Qianxihe: Green Energy for Photovoltaic

Qianxihe in Beijing, Liaoning and Hebei respectively set up solar photovoltaic power generation facilities, with an annual power output of 3.79 million kWh. At the same time, the solar panel is used to heat the softened hot water of boilers, increasing the water temperature of boiler water supply by 20 °C and effectively reducing the boiler gas consumption.



Recycle

The action of "Rebirth feeding the nature" of New Hope Liuhe advocates more partners to pay close attention to and participate in environmental protection undertakings, and to publicize knowledge and stories on culturing waste, pollutant recycling and resource regeneration. Also, the Company invites volunteers to participate in the planting activities in person, and experience the "great benefits" of the planting and breeding cycle mode.

Fruit tree adoption activity

In order to make it easier for more people of noble aspirations to experience the joy of environmental protection undertakings, we launched an online fruit tree adoption activity on the Tree Planting Festival. The adopted fruit trees can eliminate the manure pollution, exert functions of carbon sequestration and emission reduction. People can irregularly understand the growth of fruit trees and learn pruning, weeding, fertilization, flower thinning, fruit thinning, care for fruit trees by field staff online, accompanying the fruit trees to experience spring, summer, autumn and winter. Besides, people can get a portion of fruit free of charge in the harvest period.

----- One adopted peach tree absorbs reclaimed water of **8 m3/year**

----- 20 adopted pineapple trees absorb culture manure pollution of **40 kg/year**

----- One adopted pear tree absorbs reclaimed water of **2 m3/year**



Exclusive Environmental Protection Message of the Adopter



Accompanying Fruit Tree to Grow Online



Harvested Fruit as Gift

NEWS

Extracts from Relevant News Reportst

A Fantasy Drifting of A Drop of Water (Excerpt)

Farmer's daily

The production water, with impurities such as adhesive paper and packaging bag floating, flows out continuously from the production line. After deep purification, it turns into clear water flowing back to the earth, continuing to irrigate farmlands... How does a drop of water prosper agriculture with science and technology? How can wastewater be reused? As a leading agricultural and animal husbandry food enterprise in China, New Hope Liuhe has reference value in multi-use of water and the combination of planting and breeding.

In Tangyin County, Henan Province, Anyang New Hope Liuhe Technology Co., Ltd. has raised tens of thousands of sows and set up two clear water ponds to supply fresh water for farms every day. According to statistics, each pig drinks 18 litres of water a day, and the entire pig farm produces about 350 to 400 cubic metres of urine and feces water per day. How to "change waste water into treasure"?

Staff there told reporters that the pig farm set up an environmental protection zone. The first step is solid-liquid separation treatment of manure wastewater. Because the solid manure is not soluble in water, they will enter the "aerobic high temperature fermentation tank" for fermentation treatment after separated, and will be made into organic fertilizer, which will be spread all over the field to undertake the mission of improving soil crust. According to statistics, the annual organic fertilizer produced in the environmental protection zone is about 7,300 tons.

After solid-liquid separation, the wastewater will undergo UASB (a wastewater treatment process) + two-stage AO biological treatment to become farmland irrigation water, which will be sprayed into farmlands to nourish crops. The irrigation water produced each year is enough for more than 1,100 mu of farmland, saving 130,000 cubic meters of water and reducing carbon emission of 3,217 tons CO2 equivalent, expectedly.



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06



Talent Accomplishment

Achievement through growth

- Talent Strategy
- Employee Profile
- Rights Protection
- Staff Safety
- Staff Care
- Learning and Growth

Talent Strategy

New Hope Liuhe always adheres to the strategy of talents first, and diligent fighters are the most important capital of the Company on the way of reform and development.

The company focuses on providing lifelong learning opportunities for its employees, cultivating their lifelong employability, giving those who strive a competitive income, and emphasising the continuous appreciation of human capital. The company respects individuality, adapts and accommodates diverse values and behavioural patterns, supports and helps employees to develop their potential, and nurtures and reserves talents needed for continuous development.

Development Ideas

Talent before business Training before talent

The company puts the management of talents in the first place of the company's management, regards human resources as the first resource of the company, and gives priority to the development of human resources.

The "benevolent talent"

We emphasize the virtue, talent, ability and hard work of talents, emphasizing that virtue comes first, and regard those who have virtue + ability + value creation as "benevolent talents", and "benevolent talents" are those who have others in mind, love them and have the ability to create value for them and bring them benefits.

Speciality and teamwork

Downplaying authority, strengthening competence and concerning people with facts and not with individuals. Emphasize team awareness and build a harmonious team. Treat other relationships as well as you can, and achieve harmonious development between New Hope Liuhe and the value chain.

Full empowerment and growth through work

New Hope Liuhe dares to provide a platform for newcomers to grow, stresses pressure to grow, hones growth, and cultivates and selects talents through work. Emphasize the ability of doctrine, performance - oriented, eclectic use of benevolent talents.

Simple and positive

We ask people in New Hope Liuhe to be sunny and positive, active, open, friendly and loving, not to do things that go against their conscience, to strengthen their personal training, to cultivate themselves for good, to see more of people's strengths, and to be tolerant of wells to give others the help they can.

Learning, openness and development

New Hope Liuhe requires maintaining the tradition of a review culture, keeping a humble mindset, making learning work and work learning, accepting others and integrating them with a happy mindset, and achieving mutual growth between the company and its value chain partners.

The employment mechanism that people and business grow together

New Hope Liuhe is willing to provide a stage for outstanding talents. Only under the premise of continuous improvement of employees' ability and enhanced team cooperation, can the overall ability and performance of the enterprise be improved. Only under the condition that the career is full of promising and continuous development, can the employee obtain more training opportunities and greater development space.

Professionalism, expertise and specialist development orientation

We help everyone to find out their core expertise, attach importance to the training and development of their core expertise, and integrate learning and training throughout their careers so that they have the opportunity for lifelong learning, thereby continuously improving their abilities.

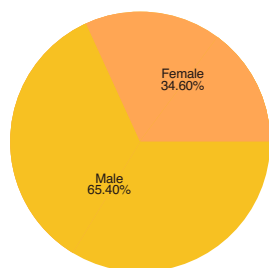
Long-term talent development strategy

Through a comparative analysis of the organization's future competency needs and the existing competencies of employees, we take a variety of training measures to enhance the competencies of employees and help them grow.

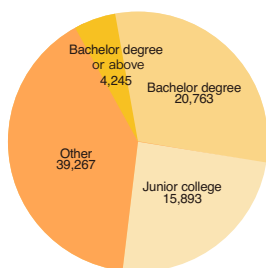
Promotion Channel

New Hope Liuhe provides diverse career development paths for different types of talents. We provide management development channels for employees who aspire to become managers and professional development channels for employees who aspire to become experts, so that all types of talents can have a stage for their talents and room for growth and development. We create a "3U" model for talent enhancement to achieve progress for those who strive, motivation for those who excel and leapfrogging for those who take up the role.

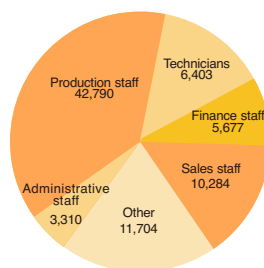
Employee profile



Sex



Education level (unit: person)

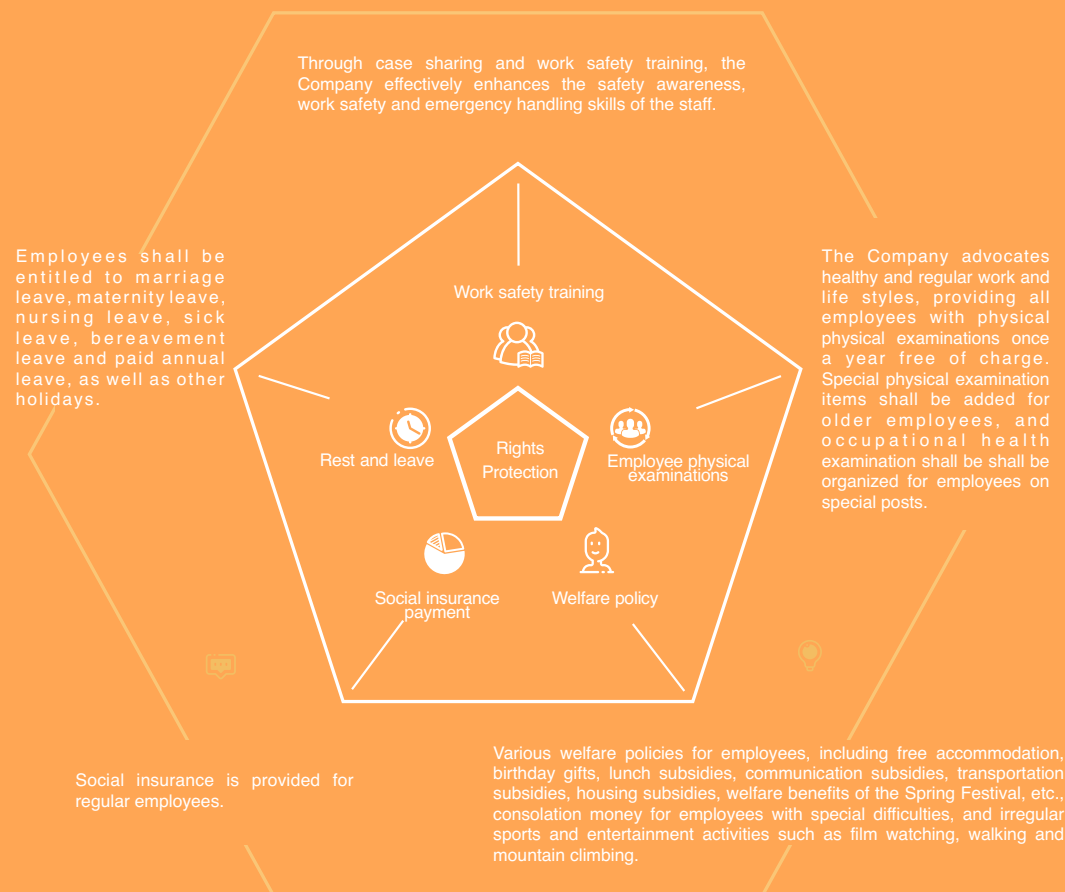


Professional composition (unit: person)

Rights Protection

The Company fully respects the rights and cultural differences of all employees, fully guarantees the economic, cultural and social rights of each employee, adheres to gender equality, equal pay for equal work, and opposes employment discrimination. Also, the Company pays high attention to human rights of employees in work and life, and prohibit all illegal employment such as employing child laborers, forced labor and restriction of employee freedom. Fair treatment of employees of different nationalities, races, genders, ages., religious beliefs and cultural backgrounds.

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Staff Safety



Safety concept

Concept: Adhering to the work safety concept of "Hope with one heart, safety along the way", safety is the most important and is the basis of all businesses.

Requirements: preventing and reducing production accidents, guarding people's life and property, and promoting green, healthy and sustainable development of the Company.

Work Safety

Guided by the working policy of "Safety first, prevention first, comprehensive treatment", we established the Work Safety Management System and Accident Management System, set up the Work Safety Management Committee, and actively standardized the work safety.

In view of the safety management of hazardous chemicals, we innovated the safety management mode of liquid ammonia, implemented "one plant, one policy" principle. All liquid ammonia refrigeration companies formulated work safety countermeasures according to their characteristics to ensure the safety of liquid ammonia. At the same time, the third party was entrusted to for work safety inspection of all liquid ammonia refrigeration companies, and to guide the rectification of hidden dangers, improving the safety management level of such companies.

In 2021, 12,000 work safety training were conducted for more than 100,000 people, and 826 work safety hardware upgrading projects were implemented.



Staff Health

The Company has set up safety management organizations at all levels and arranged full-time and part-time safety management personnel, in a bid to perfect and implement all regulations and operating procedures of safety management, to strengthen training education and performance assessment, and to carry out emergency drill successfully. Also, the Company performed internal control management of work safety operation under the mechanism of whole process and full-staff participation, so as to prevent all work safety accidents and ensure the health and safety of employees.

- Regular physical examination for employees every year.
- Continuous improvement of the working environment.
- Pre-job safety education and training to the staff.
- Regular investigation for hidden dangers to eliminate post accident potentials.
- Special health examination for prevention of sudden diseases.
- Enhancing traffic safety awareness, wearing helmets and reflective vests.
- Trade union to protect the legitimate rights and interests of employees.
- Safety activities for grass-root employees in Work safety Month.



During Work safety Month in 2021, the Company conducted more than 450 education and training on prevention of sudden diseases for more than 80,000 people.

Staff Care

Modern sci-tech upgrading like digital intelligence and mechanization to improve the working environment and cut work intensity.

Proper arrangement and leaves to fully guarantee employees' right to rest and leave and enrich recreational and cultural life and spiritual life.

Focusing on professional growth of employees, regularly organizing online and offline training, cultivating excellent employees for the management team through lectures, job reporting and competition for posts to promote values of the enterprise and employees.

Establishing smooth communication channels by e-mails, Lark, open telephone calls, etc., heeding staff's thoughts to solve problems in their work and life.

Providing comfortable and convenient working environment for development space with challenges and a sense of achievement.

Continuously promoting the "Warmth project", carrying out standardized management of canteen, bathhouse and dormitory, and continuously improving the working and living conditions of

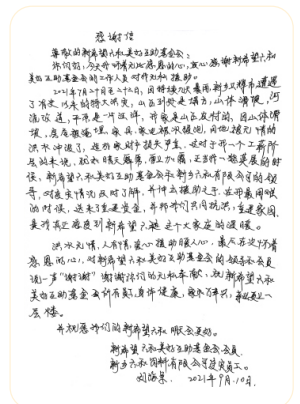
Meihao Mutual Aid Society

In 2021, amount of Meihao Mutual Aid Society of New Hope Liuhe reached 5,998,000 yuan, helping 344 families a year, with the aid expenditure of 3.828 million yuan. 45 families hit by floods of Henan Province were supported, with the aid amount of 870,900 yuan.

Since its establishment in 2014, Meihao Mutual Aid Society has supported 1,384 families in total by adhering to the concept of mutual aid and assistance, with the aid expenditure of 11,733,155 yuan, helping employees with difficulties in the Society.



Disaster-affected employees send silk banners to Meihao Mutual Aid Society



A letter of thanks from disaster-affected employees

Culture Development

During the Enterprise Culture Festival in 2021, New Hope Liuhe carried out "five cultural actions" of perceiving cultural power, practicing "New 10 Polices", integrating and offering good policies, serving to the front line and gathering consensus. In total, more than 230 "cultural exchange and sharing meetings", more than 350 special actions of "Do it well at once" for the front line, and more than 300 culture-themed activities have been completed to closely combine cultural values with industrial development.



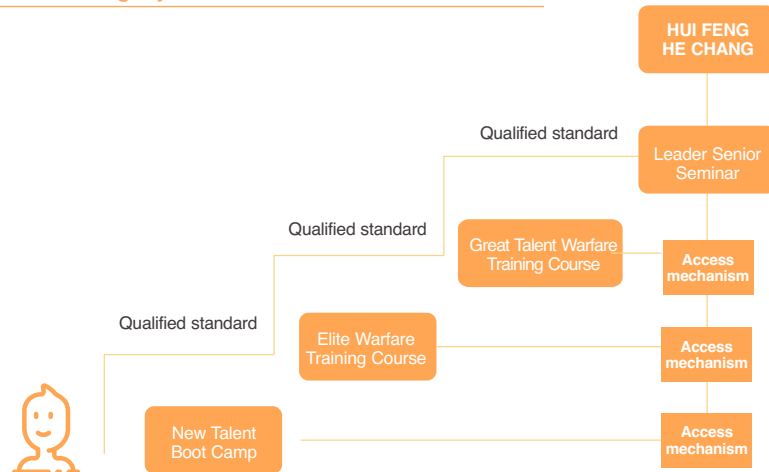
On May 29, the Second Enterprise Culture Festival was held in Chengdu to celebrate the 100th anniversary of the founding of the Communist Party of China.



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Learning and Growth

Staff Training System



Teacher Group

In order to build a learning-oriented organization and support business development, we adhered to the principle of "Three Combinations" to build a teacher group, with 506 internal and external lecturers.

Internal and external combination

Focusing on the development of internal lecturers, we selected and cultivated the management and business experts close to the actual business as teachers; At the same time, external talents were introduced to broaden the horizons of the group. The combination of internal and external lecturers integrated progressiveness and practicality of learning, so as to continuously improve the organizational ability.

Combination of on-line and offline courses

In view of the digital learning, the actual situation of national layout and global development of the Company's industry, in addition to an offline teacher group, the Company also created an online teacher group who can teach, produce and operate online learning.

Combination of specialty and general courses

Combination of specialty and general courses: in order to meet diversified learning and development needs, the Company has expert lecturers for professional contents of all business sectors and has lecturers for general courses such as culture, management, innovation and new employees.

Training Programs



Leadership Development Program

Elite Programme

The programme aims to develop excellent managers by learning and practising new managerial leadership and performance improvement techniques, helping them to change their roles, improve their ability to lead teams, systematically analyse problems and speak with data.

The programme adopts the combination of practice and training, outputs 107 performance improvement schemes to solve actual work problems. Among them, 66 schemes have been put into practice, playing cost-reducing and efficiency-increasing roles in posts of sales, production, R&D and function. Two performance improvement practice cases won the gold award and excellence award of National Technical Control Competition.



Eagle Programme

For the talent training programme launched by excellent senior managers, the trainees are those above the general manager of the business unit. The aim is to train operation talents with continuous learning ability, quick response and overall operation thinking for New Hope Liuhe from the aspects of strategic thinking, operation ability and leadership, so as to meet the requirements of the company's strategic needs and new market environment. At present, 230 people have been trained.



EMBA Programme

Adhering to the educational philosophy of openness, innovation and the pursuit of excellence, we are committed to being the EMBA education platform that best understands the management practices of China's agriculture and livestock industry, and to cultivate senior managers with systematic thinking, outstanding leadership and innovative spirit for China's agriculture and livestock industry. After 23 sessions of the programme, more than one thousand trainees have been cultivated.

In 2021, 12 course activities were carried out for 5 classes, with a total of 647 participants and over 92% of the student satisfaction.



Programme of Recruiting New Staff From Schools

Xinying Training Camp

Honing the mind, calling the soul, guaranteeing the mechanism and cooperating with multiple departments, the induction training of more than 3,000 new employees was done within 14 days, and the oath meeting marked a grand induction ceremony for them. Instructors followed up for three months to guide the integration for the new employees.



Management Trainee Program

Taking deep exploration of business as the core, through internal and external course learning, the Company helped management trainees of Wish campaign to master basic skills of grass-root managers, opened new windows of management and helped them to pass through the new career stage smoothly.



Professional Talent Development Programme



Project of Accelerated Cultivation of Pig Farm Head

The output of portrait of the pig farm head has become an important reference for the selection and cultivation of the talents for the head. Eight full-load courses were deposited, and 150-day on-post tracking guidance were provided to promote the internal experience extraction and duplication, and to unify standards for the production and management.



Cultivation of Supply Chain Talents

Establishing the learning development path of systematic talent cultivation, providing the standard basis for the professional post certification of new employees.



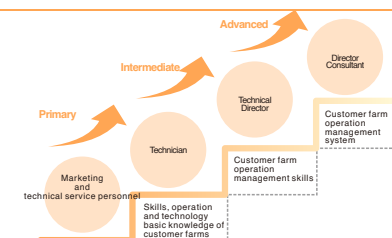
Iron Army of Food Marketing

Training for new employees in marketing: focusing on business pain points, accelerating new employees of food marketing to master necessary sales skills for quick integration and performance. Practice training camp for core team performance improvement: focusing on strategic orientation, applying performance improvement methodology to unify core cadres' thoughts, and clarifying solutions to pain points.

Technical Skilled Talents Training Project

Star Programme

The Star Programme is a tailor-made talent development programme for the feed sector, divided into the Starfire Programme and the Starry Programme. Starfire programme aims to improve the ability of marketers to solve technical problems for farmers by means of training and transformation from pure marketing to technical marketing. The training covers more than 95% of the marketing personnel of the Company's feed industry.



Starry programme aims to develop technical experts with the ability to attack and serve large-scale farms and to improve the ability of new employees to analyze and solve problems. At present, over 90% of trained technical service personnel have become technical service experts.

In 2021, 185 training sessions of Star programme were conducted for 7,214 people.

Voyage Programme

In combination with the demand for talents from the strategic development of large-scale pig-raising and poultry-raising, the targeted talent development plan were performed, which was divided into the sailing programme and the voyage programme.

The Sailing training is aimed at new college students and new employees, aims to train a group of qualified production technicians who can master the production operation process of all departments of the pig farm through the "theory + practice" learning method.

The Voyage Programme is aimed at outstanding technicians and new executives, aims to train a group of grassroots managers who understand farm production management through the study and discussion of technical theory and general management knowledge.

In 2021, 646 training sessions with 23,898 people were trained in a series of rotation training, such as training for new employees of Voyage Programme from unfamiliarity to familiarity and post certification of pig industry.



In 2021, the total number of people trained offline was **4,380**
with a total of **543,120** hours of training
The total number of people trained online was **280,999**
with a per capita learning time of **5.44** hours and **5,518** active courses

Evaluation and Feedback



Social Recognition

- ★ INational Performance Improvement Best Practice Award
- ★ Gold Medal of the 4th Chinese Enterprise Technical Control Competition
- ★ Digital Platform Cloud Map Award
- ★ Excellence Award of the 4th Chinese Enterprise Technical Control Competition



Trainee Evaluation

Leadership can be cultivated; Loving work can help you find management or leadership applications anywhere in your life; Encouraging others and to be more influential.

—EMBA trainees

Knowing my leadership style, knowing how to improve and strengthen empowerment, knowing how to be an excellent service-oriented leader help me try to stimulate potentials of my partners.

—EMBA trainees

The combination of voyage, enterprise operation and management is vivid. There are a lot of accidents in fishing in the sea. The weather, the position of the fish, the supply of the crew, the sales price and other factors will affect the operating profit. However, the operation of the enterprise also needs clear objectives and positioning. The plan of organization and implementation scheme, along with good team cooperation will improve the combat effectiveness, ensure the stable cash flow and necessary financing channels for emergency, stable operation and long-lasting development.

—Hero Class trainees

NEWS

Extracts from Relevant News Reportst

Thanks To My Career Guide

The whispers of the new apprentices:

You are my teacher today, tomorrow I'll become someone like you, I hope we can protect the red line of environment protection and our hairline!

Only teachers' love can survive everything in the whole world. Thank you for becoming the most beautiful decoration of my life.

I feel timid and confused in the society, thank you for guiding me like a beacon.

There was a group of people in New Hope Liuhe who never appeared on the stage, but they were the beacons of new employees.

"As a newcomer, I understand what I think is pretty limited." Since then, I learned to ask more, think more, see more and do more.

When I was sick, you were on night shift for me, helped me boil water and get medicine.

Time flies, memory survives. Maybe I'll be someone like you some day.

New Hope staff is optimistic, meticulous, rigorous, this is what my master taught me.

Thank you for breaking the silence first, let me feel the warmth of home 300



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Sustainable Development Key Performance Table of New Hope Liuhe

Corporate governance	Investor Communications	In 2021, the company released 7 investor communication records and 272 disclosure announcements, and replied 1,241 questions asked by 370 users on the.cninfo.com of Shenzhen Stock Exchange.
	Anti-corruption	122 training sessions on Sunshine Culture with 12,697 participants. Collected 139,600 answers for "red line scenario" certification examination. The number of internal system interest declarations is more than 70,000.
	Party construction work	he company has 5,434 party members and 86 grass-roots party organizations, including 2 grass-roots party committees, 2 general party branches and 82 grass-roots party branches. The rate of attaining the standard of learning hours for the Party Member E Home - Rongcheng Pioneer was 100%. The company also carried out more than 200 red theme activities in various forms
Society	Rural revitalization	Green Collar Training has organized 1, 908 off-line training sessions for 74, 969 persons and 13.493 million person-times of online training (including on-line green collar public welfare lecture hall). The company accumulatively served 160, 000 breeding households, with guaranteed loan of RMB 51.2 billion yuan, which improved 3, 450 standard chicken breeding farms with 220 million amount of livestock, 1,350 standard duck breeding farms, with 88 million amount of livestock, 2, 500 standard pig breeding farms with 6 million amount of livestock. In 2021 supply chain financing service served more than 13,800 customers, and helped customers to raise RMB 6.8 billion yuan
	Customer health and safety	138 various kinds of food safety training sessions were organized.
	Customer feedback	The Customer Service Center received 11,000 customers, realizing 100% solution of customer needs.
	Customer Service	We are committed to conducting 1,800 animal protection tests, creating 52 standard SOPs, and helping 1,246 farms and 500, 000 sows to recover.
	Technology input	308 patents were applied for in 2021, including 63 invention patents, a total of 2,314 patents and obtained 1,515 authorizations.
	Digital Enterprise	Liaonifu served 22,385 costumers and sold feed 5.5767 million ton.
	Public welfare and charity	Total External Donations is 25,756,104.52 yuan. The 6th Hope Project realized dreams for 6,020 children in 162 schools. The "Warm Project" delivered materials with a total value of nearly 300,000 yuan to 687 villagers and 915 teachers and students.
	Staff education	Total number of people trained offline in 2021 was 4,380, with a total of 543,120 hours of training; Total number of people trained online was 280,999 people, with a per capita learning time of 5.44 hours and 5,518 active courses.
	Cultural activities	More than 1,200 cultural training and league construction activities were conducted throughout the year.
	Relief for staff in distress	In 2021, 344 families were assisted, with a total assistance amount of 3,828,000 yuan.
	Staff safety	More than 12,000 safety training sessions with more than 100,000 participants, 826 Hardware Transformation Projects for Safety Production were organized.
	Staff health	the Company conducted more than 450 education and training on prevention of sudden diseases for more than 80,000 people.
Environment	Ecocycle	The cultivated land was transferred 119,926 mu. The disposal of livestock and poultry manure is 154,696 tons; The absorptive biogas slurry returned to farmlands is 1,143,500 cubic meters; The disposal of sewage is 23,133,901 m3; The reduction of COD emissions is 135,484 tons
	Energy saving and carbon reduction	The solar power generation capacity is 9.3181 million kWh

Feedback

The present report is the 14th Corporate Social Responsibility Report issued by New Hope Liuhe Co., Ltd. To continuously improve the company's ability of fulfilling corporate social responsibility and promote the sustainable development of society, industry and enterprises, the company pays close attention to and expects opinions and feedback from all parties.

Please complete the following feedback and send it to email:
000876@newhope.cn



1、Your overall assessment of the report is

☐1 point ☐2 points ☐3 points ☐4 points ☐5 points ☐6 points ☐7 points ☐8 points
☐9 points ☐10 points

2、Do you think this report reflects the significant economic, social and environmental impact of New Hope Liuhe

☐1 point ☐2 points ☐3 points ☐4 points ☐5 points ☐6 points ☐7 points ☐8 points
☐9 points ☐10 points

3、What do you think of the clarity, accuracy and completeness of the information disclosed in this report

☐1 point ☐2 points ☐3 points ☐4 points ☐5 points ☐6 points ☐7 points ☐8 points
☐9 points ☐10 points

4、What do you think of the content of this report in terms of logic and understanding

☐1 point ☐2 points ☐3 points ☐4 points ☐5 points ☐6 points ☐7 points ☐8 points
☐9 points ☐10 points

5、What do you think are the recognized aspects of this report?

6、What do you think needs to be improved in the report and how?

7、Do you have any suggestions on the release of our social responsibility report?

Your contact information :