

Shanghai HuMu Information Technology Co., Ltd

The HuMu team entered the livestock industry in 2013, and the company was established in 2015. It is a high-tech enterprise specializing in the construction of livestock informationization, with over ten years of experience. The company mainly serves large-scale breeding enterprises in China, providing information management solutions. We focuses on the large-scale informationization construction of livestock enterprises, and is committed to becoming the largest operator of the livestock industry internet platform in China, promoting the intelligent transformation and upgrading of China's livestock industry.

Missions

Promoting the intelligent management era of livestock through the application of Internet and IoT technology



Support for
offline data
collection



Data Upload



HUMU IoT devices for pig farms

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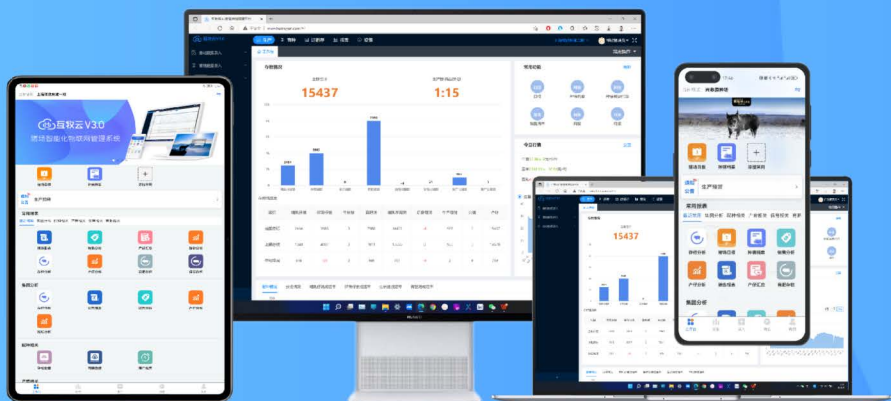
WeChat



HUMU Cloud 3.0 Intelligent Pig Farm Management System

互牧云 V3.0 <http://www.humuyun.com>

This platform was specially developed by the HuMu team for pig farms, covering all business processes of the farm, including breeding, farrowing, nursery/finishing and other production stages. The platform supports the entry of sow reproduction data, change data, and health management data. It can be used independently, but we strongly recommend using it in conjunction with HuMu Cloud IoT devices to enable employees to collect data during work, improving the timeliness, accuracy and authenticity of data collection in the pig farm. It provides reliable and accurate basic data for pig farm breeding and management decisions. In addition, the platform also includes breeding, inventory management and a variety of analysis reports.



Features

Practical data collection solutions for pig farms

This solution achieves a perfect combination of hardware and software, enabling data collection during work, improving the timeliness, accuracy, and authenticity of data collection in pig farms



Electronic ear tag



PDA



B-mode ultrasound



Farrowing house piglet care vehicle



Weaned piglet weighing operation vehicle

Support for offline data collection



Data Upload



HUMU Cloud 3.0



Electronic tags



Electronic tag reader



Cloud Printer

HUMU IoT devices for pig farms

Standardized production process management



The entire process of breeding, insemination, farrowing, nursery, and fattening is controlled, and data such as sow breeding data, change data, and health data are entered. With the use of HUMU cloud IoT devices, data collection can be more convenient.



Pig breeding

Collaborating with the College of Animal Science at Zhejiang University to establish a pig breeding platform, providing breeding services including breeding objectives and indices, genetic evaluation, selection of breeding stock, genetic progress, breeding analysis, and pig breeding testing.



Pig farm inventory management, production and financial integration

1. Procurement: Tracking of all procurement of drugs, feed, and other items into storage.
2. Materials: Complete tracking of drugs, feed, and other items for outbound delivery.
3. Sales: Completely get rid of manual bookkeeping.
4. Finances: Clear and accurate financial transactions.
5. Analysis: Multi-dimensional reports assist pig farm operations.
6. Cost: Calculating the cost of pig batches at each stage.

Reporting and statistics, letting data speak

The pig farm's multi-dimensional reports cover all aspects of pig farm production, allowing users to have a comprehensive understanding of the production and operation status of the pig farm.





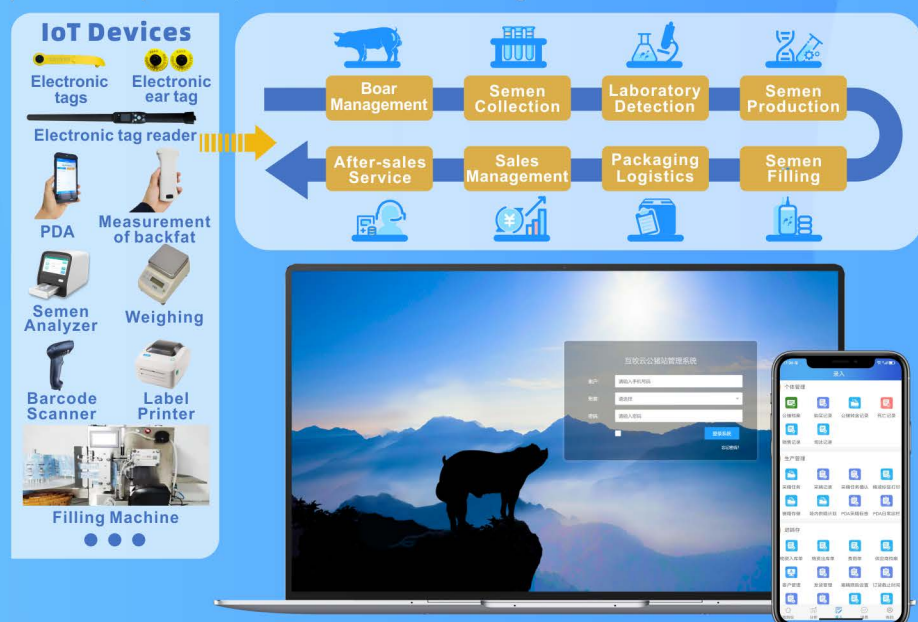
HUMU Cloud 3.0 Software Quotation

Features	 Basic	 Enterprise	 Group
Price Note: The price is for software service, IOT devices are purchased separately.	¥15,000 per Year Can create 1 pig farm, try for 30 days	¥30,000 per Year Can create 3 pig farms, + ¥5000 per year for each additional pig farm	Starting from ¥200,000 Supports customized functions and private cloud deployment
Basic information maintenance system			
Pig farm information	✓	✓	✓
Pigsty information	✓	✓	✓
Employee files	✓	✓	✓
Breeding pig files	✓	✓	✓
Employee permissions	✓	✓	✓
Operation guidelines	✓	✓	✓
Production target formulation	✓	✓	✓
Warning rule formulation	✓	✓	✓
System Settings	✓	✓	✓
Pig farm production management system			
Boar management	✓	✓	✓
Sow management	✓	✓	✓
Pig deaths/sales/losses	✓	✓	✓
Pig transfer	✓	✓	✓
Immunization and health management	✓	✓	✓
Pig inventory data	✓	✓	✓
Report - Daily/Weekly/Monthly reports	✓	✓	✓
Report - Analysis Report on Breeding Situation	✓	✓	✓
Report - Analysis Report on Delivery Situation	✓	✓	✓
Report - Analysis Report for Piglet/Fattening Pig Group	✓	✓	✓
Report - Pig Farm Key Indicator Analysis Report	✓	✓	✓
Report - Group Consolidated Analysis Report	✗	✗	✓
Inventory management system			
Material Information	✗	✓	✓
Supplier procurement catalog	✗	✓	✓
Procurement Management	✗	✓	✓
Inventory Management	✗	✓	✓
Sales Management	✗	✓	✓
Material inventory management	✗	✓	✓
Feed processing management	✗	✓	✓
Feed formulation management	✗	✓	✓
Report - Stock Out reports	✗	✓	✓
Report - Stock In reports	✗	✓	✓
Report - Receipt, Dispatch, and Inventory Related Reports	✗	✓	✓
Report - Sales Reports	✗	✓	✓
Report - Procurement Application Reports	✗	✓	✓
Report - Group Consolidated Financial Statements	✗	✗	✓
Cost accounting management system			
Cost summary	✗	✗	✓
Cost summary analysis	✗	✗	✓
Landed cost	✗	✗	✓
Weaning cost	✗	✗	✓
Pig breeding management system			
Target and selection index for breeding pigs	✗	✓	✓
Genetic evaluation (BLUP/REML, genomic selection...)	✗	✓	✓
Selection and Matching (pig breeding selection and calculation, farrowing room selection, etc.)	✗	✓	✓



HUMU Boar Station Management System

The system was specially designed by the HuMu team for the boar station, covering all business processes of the boar station, including boar management, semen collection management, semen testing, semen production management, production and filling, packaging logistics, sales management, settlement and after-sales, achieving unified management of boar nutrition, unified semen production process, and unified sales management.



Features

Uniformity

Each boar station in various regions has unified equipment, production processes, packaging, and distribution methods, with system monitoring of each major semen production process.

Real and reliable data

All production-related reports are fully informatized, and human factors are not allowed to alter the data to ensure the authenticity, reliability, and effectiveness of the data at each boar station.

Efficient order and delivery management

It has connected the related links of reporting goods, processing orders, delivery, and settlement.

Dealer and sales management

All distributors and major customers can place orders and check logistics information through the designated channel platform (order system platform), and the sold pig semen can be tracked nationwide.

Comprehensive technical support

Standardized production processes, standardized feeding, nutrition, immunization, semen collection, and technical service support. The system provides diagnostic management for the boar station, achieving standardized management and effectively stimulating the self-motivation of the station personnel, guiding them to maintain the health and well-being of the pig farm continuously.

Tracing of pig semen

The production information of each pig semen product can be traced, and the internal control process is fully transparent to the outside; the sales area and individual information of pig semen can be traced; the production benefits of customers can be traced.

Standardized management

Production management diagnosis of boar station, self-driven scoring. 60 points pass, through deductive items to expose deficiencies, guiding the pig farm to continuously self-drive and pick up lost points, so that the pig farm can maintain a healthy and good state to improve the production efficiency of the pig farm.

Report statistics

The boar station's multi-dimensional report allows data to speak, providing a comprehensive understanding of the boar station's situation.



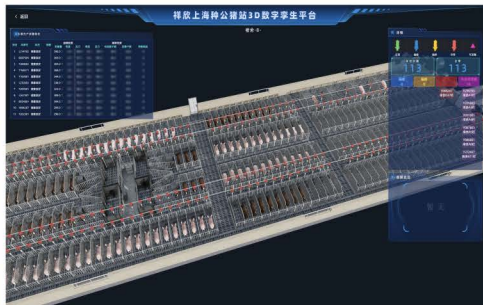
HUMU Boar Station Management System Quotation

Features	 Basic	 Enterprise
Price	¥100,000 Up to one boar station can be created, with a 30-day trial period and an annual service fee of 10%.	¥200,000 Up to 3 pig farms can be created, with an annual service fee of 10%, and an additional ¥10,000 for each additional boar station.
Boar station production management system		
Boar files	✓	✓
Pigsty information	✓	✓
Employee files	✓	✓
Semen detection system	✓	✓
Filling machine management system	✓	✓
Semen sample management	✓	✓
Semen collection task	✓	✓
Shipping management	✓	✓
Report system	✓	✓
Boar Station APP (Android)		
Semen Analyzer: Boar station pig semen detection data report	✓	✓
Analysis: Comprehensive data, production data, sales data, reports	✓	✓
Entry: Boar records, purchase records, transfer records, culling records, sales records, semen collection records, etc.	✓	✓
Message: Sperm transport suggestions, semen collection tasks, boar culling warnings, etc.	✓	✓
IoT: Monitoring of temperature, humidity, NH ₃ , CO ₂ , etc.	✓	✓
Automatic filling machine control		
Individual identification system equipment for boars		
Electronic tags and electronic tag readers	✓	✓
PDA	✓	✓
Desktop computer	✓	✓
Scanner	✓	✓
Intelligent semen weighing scale	✓	✓
Temperature and Humidity Sensor (4G module, automatic data upload)	✓	✓
Logistics system equipment		
Thermal paper bluetooth printer (sperm collection task printing)	✓	✓
SF Express label printer	✓	✓
Triple-Link Printer	✓	✓
Pig semen shipment terminal machine	✓	✓
Inventory Management System		
Procurement Management	✗	✓
Sales Management	✗	✓
Medication Management	✗	✓
Feed Management	✗	✓
Material Management	✗	✓
Financial Management	✗	✓
Cost Accounting	✗	✓



HUMU
Cloud 3.0

3D Data Twin Platform for Pig Farms



A "transparent" pig farm

The HUMU 3D data twin intelligent platform replicates the appearance and structure of the pig farm online, and at the same time, relies on the perception capability of the IoT to integrate and link the operation information of multiple devices such as pig houses, environment, breeding pig management, and laboratory management. Through comprehensive perception and high-precision modeling, it reconstructs a "twin space" that is interconnected with the physical building, creating a "transparent" pig farm on the screen.

HUMU Pig Farm 3D Twin System

Features

Price

¥150,000

3D simulation customization of pig farm exterior scenes

1. Based on 3D technology, the appearance and structure of the pig farm are replicated one-to-one.
2. The modeling includes specific buildings of the pig farm, office areas, production areas, etc.



3D simulation customization inside the pig farm

1. The modeling includes specific buildings of the pig farm, office areas, production areas, etc.
2. 3D model of pig dynamics, click on the pig to view the pig's file, pedigree, body condition, production status, etc
3. Intelligent camera monitoring and real-time collection of pig farm environmental temperature, humidity, ammonia, feed consumption, etc.
4. Risk warning: standardized management, self-driven force scoring.



Decision basis

1. Data statistics and analysis provide customers with more scientific and intuitive decision-making basis.
2. Provide more detailed information on pig farm production and sales.





Smart HUMU IoT devices



Electronic ear tag
(Low frequency)

¥ 4.5



Farrowing house piglet care vehicle

¥ 45,000



Electronic ear tag
(Ultra-high frequency)

¥ 4.0



Weaning piglet weighing operation vehicle

¥ 18,000



Electronic tags
(Sow stalls)

¥ 4.5



Mating service vehicle

¥ 3,500



Electronic tag reader
(Low frequency)

¥ 3,400



Semen analyzer

¥ 45,000



Electronic tag reader
(Ultra-high frequency)

¥ 4,500



Ultrasound machine

¥ 15,000



PDA

¥ 4,500



Cloud printer

¥ 8,000



Material In and Outbound Terminal

¥ 7,500



Chicken weighing operation vehicle

¥ 8,500



Shanghai SunSing Livestock & Poultry Co., Ltd. is an industry-leading specialised technology-based pig breeding enterprise. The company's breeding farms and boar stations have advanced production technology and well-equipped facilities, with 5,000 sows and 500 great-grandparent generation boars, a large industrialised frozen semen production base and a large breeding base of American Duroc breeders in the world. The "Xiangxin" brand of breeding pigs, which "grow fast, give birth more and have a large body size", is highly favoured and trusted by customers. Under the promotion of SunSing breeding system, Xiangxin breeders have been popularised in more than 20 provinces in China, and 10% of the listed commercial pigs in China every year contain SunSing breeders' genes.

Since 2015, SUNSING has begun the research and development and application of HUMU Cloud IOT system in pig farms through cooperation with HUMU Technology, and IT engineers have gone deep into the front line of pig farm production, and after several years of perfect combination of software and hardware, they have carried out pig farm operation data collection, laying a solid data foundation for SUNSING's breeding work and enterprise decision-making. Nowadays, the HUMU cloud 3.0 pig farm management system has been widely used and promoted in SUNSING pig farm, and has achieved obvious results.

