



Yichun Wanshen Pharmaceutical Machinery Co.

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V? / Pleiades n Wanshen Intelligence



数字化工厂解决方案

Digital factory solutions



catalogs

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信息追溯系统

MES

Wonsen
数字化信息管理平台

WMS PDM

ERP

Digital Factory Solutions
digital factories overall solution



Advantages and Honors

advantages and horns



Excellent product system
01

Software products have been refined to meet the different stages of development and all aspects of the customer's informatization needs, maximizing the realization of the advantages of the software system.



Professional technical support
02

The professional and technical team composed of senior IT and OT engineers provides customers with a complete set of information technology engineering solutions to ensure that the project brings management value to customers.



Scientific methods of implementation
03

After a long period of accumulation of scientific implementation methods, standardized documentation, strict implementation steps, scientific project control, to ensure that each project can be 100% online success.

With a number of independent intellectual property rights and software copyrights, it has cooperated with Jiangxi University of Traditional Chinese Medicine, Hunan University, Zhejiang University, Nanchang University and other universities, and has a strong platform for research and development advantages.

computer software copyright



Introduction of Informatization Division

Division

INTRODUCTION

Yichun Wanshen Information Technology Division focuses on digital transformation and big data platform and other digital information system solutions, covering pharmaceutical, food, health care, chemical and other industries. It has an experienced technical team in software development, industrial design, automatic control, data integration and computer validation.

The business unit adheres to the main theme of "user-centered", providing users with the highest quality information technology solutions and services, and helping users to implement and land digital projects, which is the development direction we always adhere to and pursue.



- 2018 Jiangxi Province 5511 major scientific research specialties
- 2019 Intelligent Manufacturing Demonstration Enterprise in Jiangxi Province
- Yichun Excellent Science and Technology Enterprise
- 2020 Intelligent Manufacturing Benchmarking Enterprises in Jiangxi Province
- 2021 Phase II Intelligent Pharmaceutical Equipment Industrial Base Opening
- 2022 **The first batch of "Industrial Internet Solution Service Providers" in Jiangxi Province**
- ...

- Digital Information Management System
- Wanshen Cloud Remote Operation and Maintenance Management System
- Wanshen Production Execution Management System
- Wanshen CRM Management System
- Wanshen Information Security Protection System
- Wanshen LIMS Laboratory Management System
- Wanshen PDM Management System



ISO series certificate



software copyright, software product certificate, Enterprise credit rating certificate, software enterprise certificate

Digital Information Management Platform

Digital information management system

The digital information management platform integrates each process equipment and public system, collects equipment operation data, production data, energy data, environmental data, etc. into a real-time database, and analyzes, processes and optimizes the data to make the whole production process visualized, datatable and form a centralized electronic batch record, realizing the enterprise's informatization, digitization and intelligent management.



SCADA Data Acquisition System



Production Environment Management System



Energy Management System

System Advantages

data acquisition

Through the gateway and industrial Internet platform, real-time data collection and aggregation are realized, providing data basis for production monitoring and production execution.

production monitoring

Real-time information about the processing site for quick response to production decisions.

electronic record

Ensure the authenticity, accuracy and consistency of records and be able to track and query changes.

data sheet

Provide personalized and customized reports to improve business management efficiency.

Access to third-party platforms

Can access the original erp, mes, pdm, lms and other systems to avoid information silos.

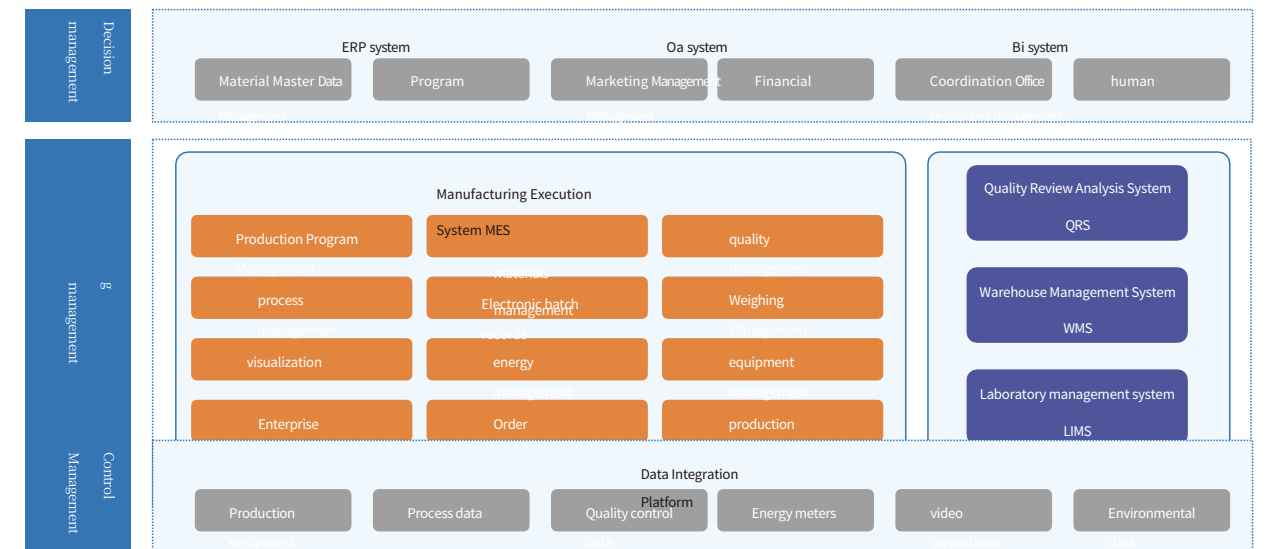
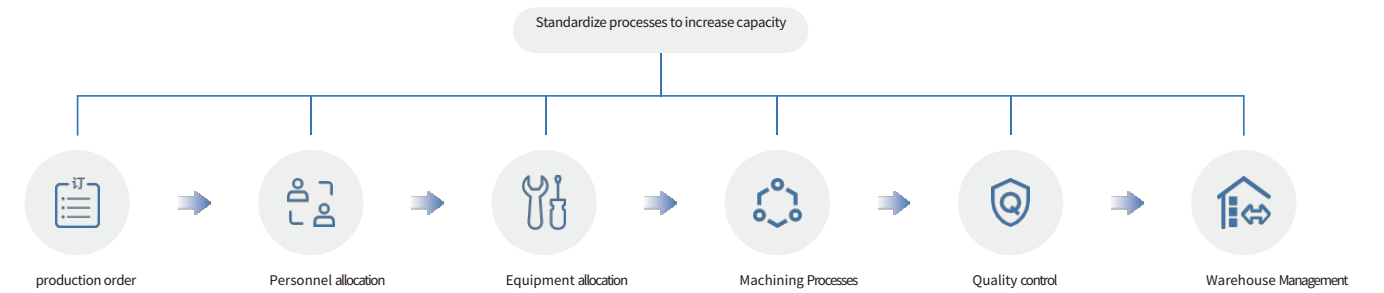
Pc, App, Big Screen Visualization

Provide the information required by different managers through multiple platforms to meet customized needs.

MES Manufacturing Execution Management System

MES production execution management system

MES is a production information management system for the whole manufacturing process at the executive level, connecting enterprise resource management with workshop operation site control, and will truly become the production command center and production collaboration platform of the enterprise. The system covers material management, formula management, planning and scheduling management, production scheduling management, inventory management, quality management, cost management, data analysis and decomposition and other management modules, to create a solid, reliable and feasible manufacturing collaborative management platform for enterprises.



System Advantages

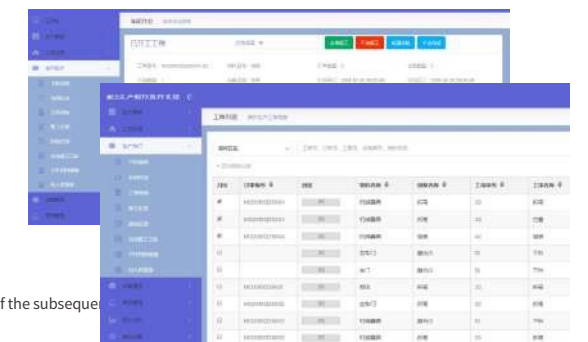
Continuously optimize the production process, reduce production costs, shorten the delivery cycle, increase production capacity information management of production lines, processes, production materials, production capacity and other information, to help enterprises achieve the goal of lean manufacturing.

Effective prevention of information distortion

Adopting transparent production monitoring technology makes the whole production process controllable, facilitates the adjustment of production plans, prevents information distortion, and ensures the immediacy and accuracy of production information.

Provide basic data support for intelligent scheduling

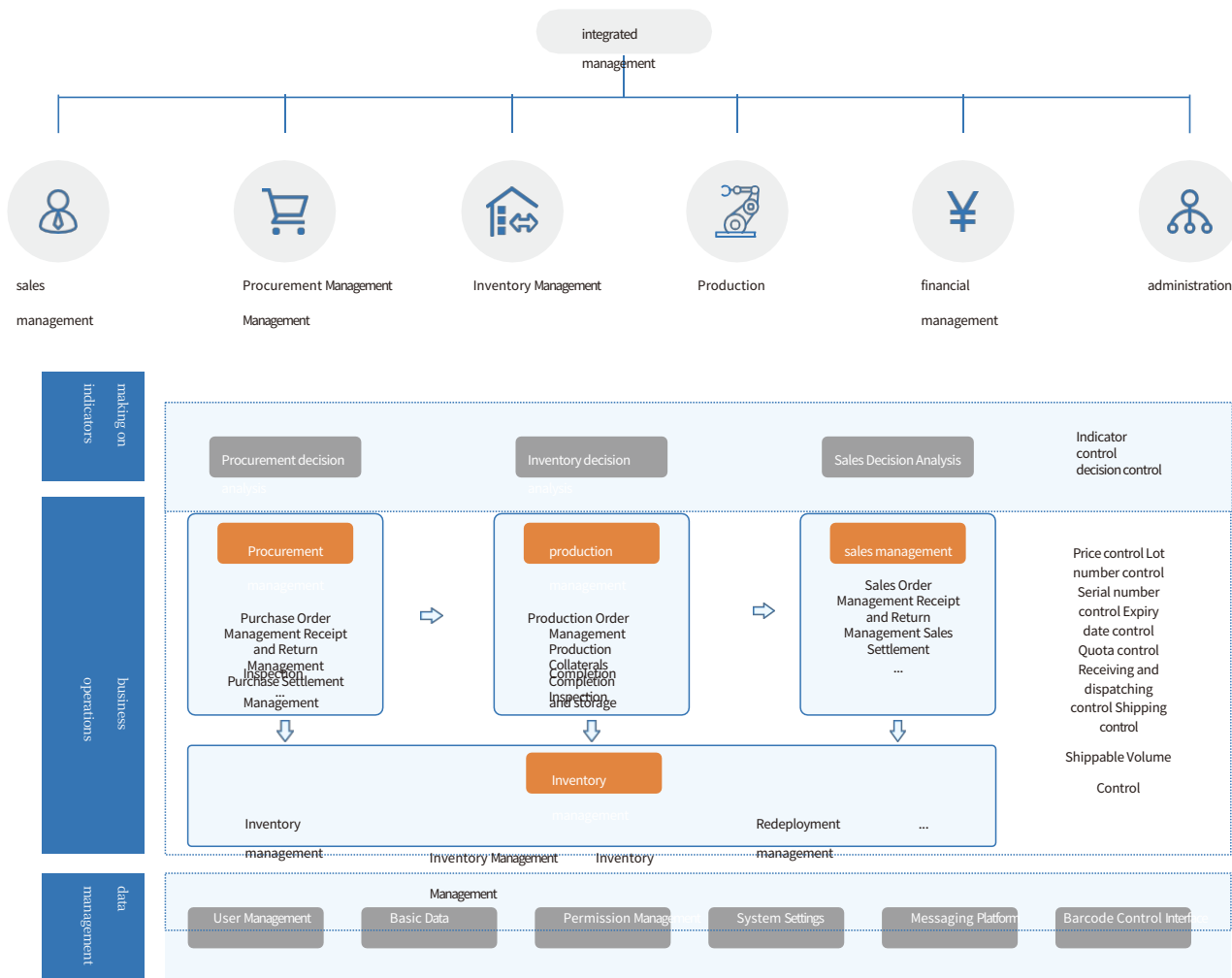
It is able to grasp all the information in the production process in real time and prepare for the intelligent scheduling of the subsequent



ERP management system

ERP management system

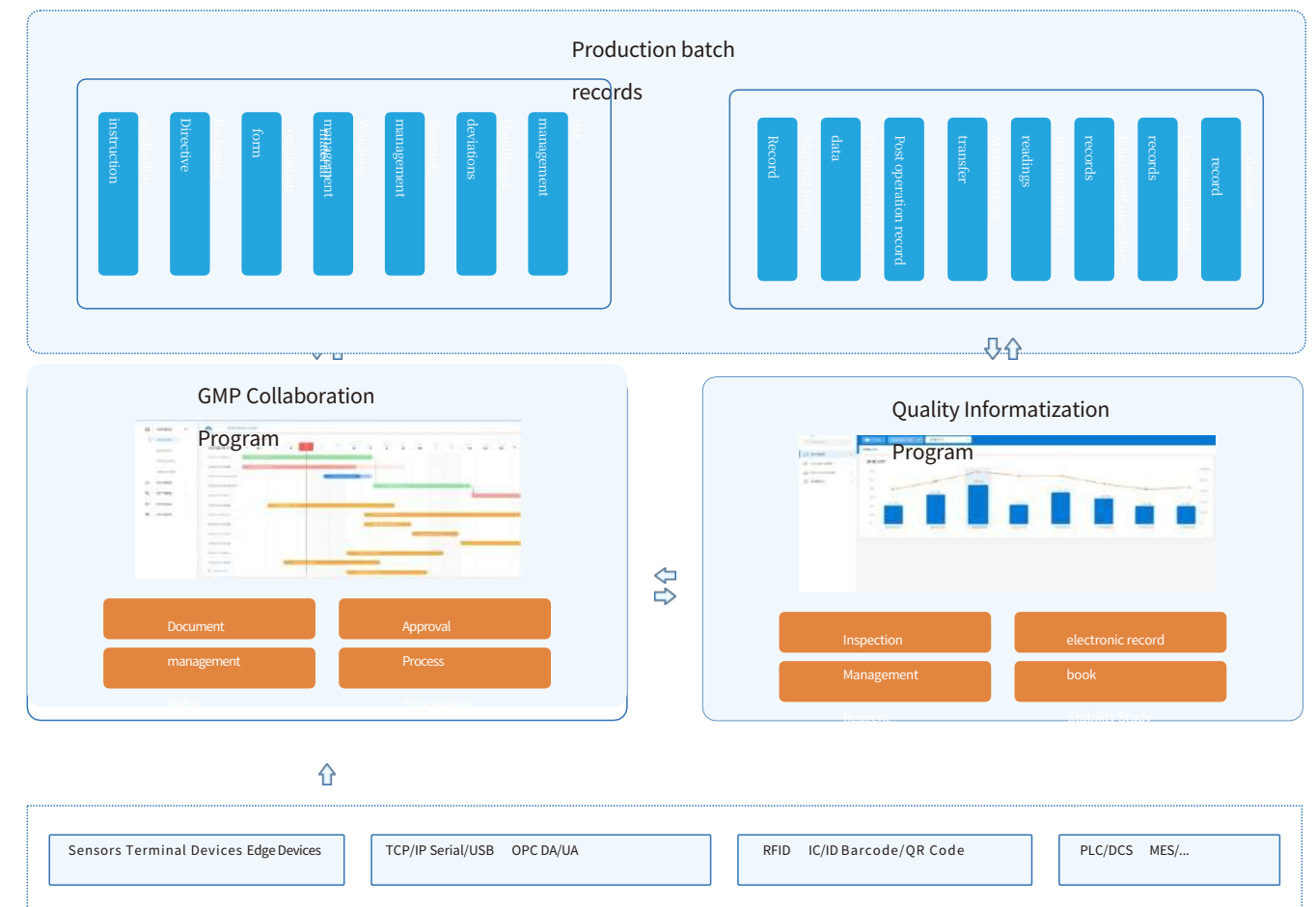
ERP system breaks the barriers of communication and collaboration between various departments, regions and systems, realizes seamless management of sales, customers, projects, production, inventory, procurement, human resources, finance, office and all other aspects of the whole process, ensures the accuracy, timeliness and validity of the data and information in the process of transmission, and helps the enterprise to respond quickly, collaborate closely, operate well, and promote the development of the business faster, and comprehensively improve the core competitiveness. Competitiveness



EBR Electronic Batch Recording System

EBR electronic batch recording system

EBR software can execute electronic procedures in accordance with the standard operating procedures of production, add real-time data of equipment, environment, etc. into the batch records as a more comprehensive supplement, collect, summarize, classify, and organize the data of each link involved in the whole process of drug production, and integrate the batch production records, batch packaging records, and batch inspection records into a real, complete, accurate, safe, and efficient record, which can realize the production of Paperless production in the workshop.



System Advantages

Improved management efficiency

Replace traditional manual work with advanced information systems to minimize manual involvement and increase the accuracy and timely dissemination of information.

Optimize enterprise business processes

The digital management of all business is realized, and each business flow process becomes visible and controllable in the system.

Assist enterprises in accurate decision-making, anytime, anywhere mobile office

Through the data statistics, analysis, assisted decision-making, completely change the decision-making without basis and other management problems.



System Advantages

cohesive and integrated system

In addition to being deployed individually, it can be used as a separate module of a complete MES to interact with data from other modules and third-party systems.

Efficient operation process

Automatically displays the approved versions of all documents and drawings required for each piece of equipment, as well as the operating SOPs for each process. automatically logs users who have completed an operation and provides an electronic signature to speed up the signing process.

Device Data Acquisition

Automatically collects data from PLC/SCADA systems and automatically enters it into batch records, saving valuable time. Ensures 100% accuracy.

Automated workflows

Pre-defined workflow to ensure that the electronic batch record release work is carried out in an orderly manner, message alerts and automatic approval push.

Real-time tracking and anomaly alarm

Real-time monitoring of the collection and filling of electronic batch record data, through the setting of standard process parameters and the collection or filling of parameters for real-time calibration. When the data is abnormal, the abnormal information can be generated automatically according to the set rules, and the production and quality personnel can analyze and evaluate the deviation of the abnormality in real time.

Enhancing Quality Compliance

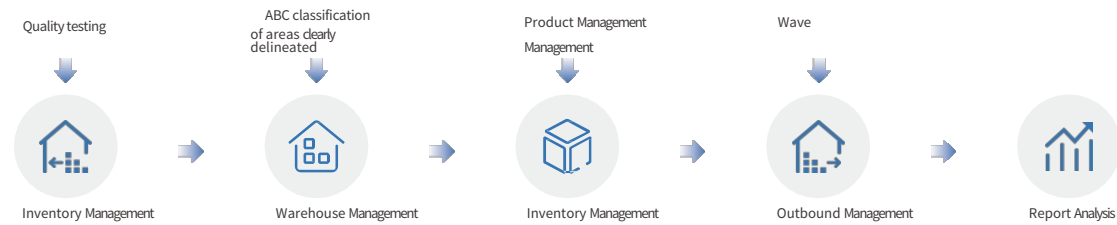
Realizing the digital management of the entire life cycle of forms, processes and techniques not only ensures the integrity of the data, but also better meets the traceability requirements at the product regulatory level.

WMS Warehouse Management

System

WMS warehouse management system

WMS warehouse management system is a more refined management of the warehouse system, effective control and tracking of warehouse business logistics and cost management of the whole process, to achieve the perfect enterprise warehousing information management.



System Advantages

Improved inventory space utilization

Through the real-time data collection and analysis of each link, it helps managers to make scientific decisions, improve the level of warehouse management, increase the accuracy of inventory, and reduce inventory costs.

Optimize workflow

Optimize operation paths, guide operation methods, and reasonably reduce logistics operation costs.

Reduced labor costs

The use of mobile convenient processing, intelligent information technology, reduce the requirements for the experience of warehouse staff, effectively reducing labor costs.



Information Tracing System

Information traceability system

The traceability system sweeps and marks all the raw materials, production process and circulation of the products, and establishes the traceability system, thus realizing the product traceability management in order to control the risks of each link.



System Advantages

Traceability One-Stop Shop

It realizes the whole visualization management of raw material entering factory, product production, warehousing and logistics, terminal sales and market consumption, and assists enterprises to quickly establish a traceability system to meet national and market supervision.

Supply Chain Control

Improve the activities and processes of planning, coordinating, operating, controlling, and optimizing each link of the enterprise supply chain, and obtain real-time observation of the entire supply chain network.

One-stop data collaboration

Eliminate information silos, enterprise data and the whole industry chain upstream and downstream data can be interconnected, real-time sharing, efficient collaboration.



PDM Product Data Management System

PDM Product Data Management System

PDM is an information system for R&D process data integration, which realizes orderly specification of R&D data, optimization of design process and sharing of resources, so as to shorten the product R&D cycle, reduce the cost, and enable enterprises to win the initiative and competitive advantage.

The system covers all aspects of product data management and R&D collaboration, including R&D structure management, graphic document management, product configuration management, unified code management, and workflow management.

Workflow management, message management and permission management.

System Advantages

Project and task management

Functions of task issuance, processing, completion confirmation and task tracking management, which is convenient for supervisors and designers to follow up each task.

Process and diagram document management

Electronic process management to achieve process-driven product design process; excellent document version and edition control to achieve rapid query and retrieval.

system integration

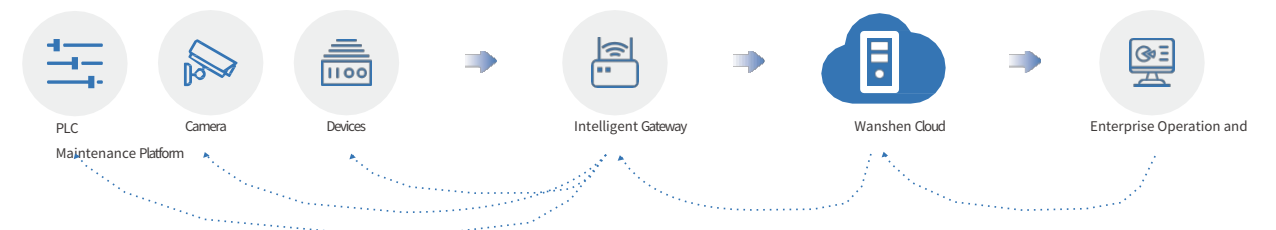
Can be perfectly integrated with other software ERP, MES, CAPP and other systems within the enterprise.



Equipment Remote Operation and Maintenance System

Remote operation and maintenance system

Equipment remote maintenance system is a remote integrated management system based on data application cloud + intelligent gateway. The intelligent gateway is connected to the equipment side to automatically collect the operation status and related data (geographic location, temperature and humidity, pressure, rotation speed, flow rate, etc.) and send the information to the data application cloud platform to help enterprises realize equipment management, monitoring, early warning, diagnostics, maintenance work order management, provide customers with the service of the whole life cycle of the equipment, and realize the comprehensive enhancement of the enterprise's asset efficiency.



System Advantages

Equipment maintenance

Plan-making cycle task generation, completion rate statistics, the whole process is intelligent.

Equipment Repair

Alarms and health status of the equipment can be viewed through the platform, and automatic alarm reminders are also available.

spare part

Inventory inquiry, inventory warning, consumption statistics, usage analysis.



LIMS Laboratory Information Management System

LIMS laboratory information management system

LIMS is an information system used around the laboratory, with advanced database technology, software technology, automation technology, laboratory sample management, resource management, transaction management, data management, report management, personnel management, equipment management, method management, environmental and communication management and many other laboratory data integration, to achieve the standardization of experimental testing quality procedures management, standardization, and to achieve the problem samples The rapid traceability of problematic samples ensures that all laboratory test data analysis and management comply with the requirements of GMP and ISO9001 standards and systems.

System Advantages

Inventorying laboratory resources and improving the efficient use of equipment

Organize and transparently take over laboratory business processes to optimize resource allocation.

Digital project management

Reduces human error and improves management and work efficiency in the quality department.

Rich data interfaces

Solve laboratory information silos, flexible data interaction with other systems.

Conforms to Good Laboratory Practices

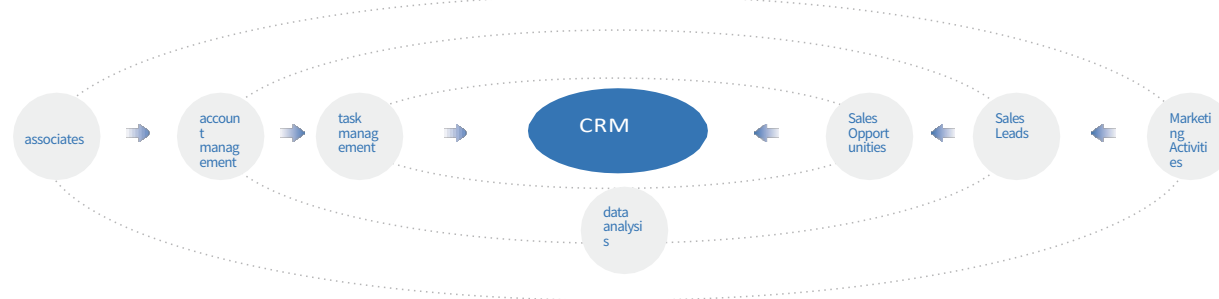
Meets FDA/CFDA/GXP requirements for computerized systems.



CRM Customer Relationship Management System

CRM Customer relationship management system

CRM is an information system that collects, manages, analyzes and utilizes customer information. Taking the management of customer data as the core, it records all kinds of interactions between the enterprise in the marketing and sales process and the customers, as well as the status of all kinds of related activities, and provides all kinds of data models to provide support for later analysis and decision-making, and to improve the profits of the enterprise.



System Advantages

Full process control from lead generation to order payment back

Focus on improving enterprise sales performance, standardizing sales management and promoting customer com.

Customer Lifecycle Management

Customer forms associate leads, opportunities, orders and other resources for easy data filing and organization.



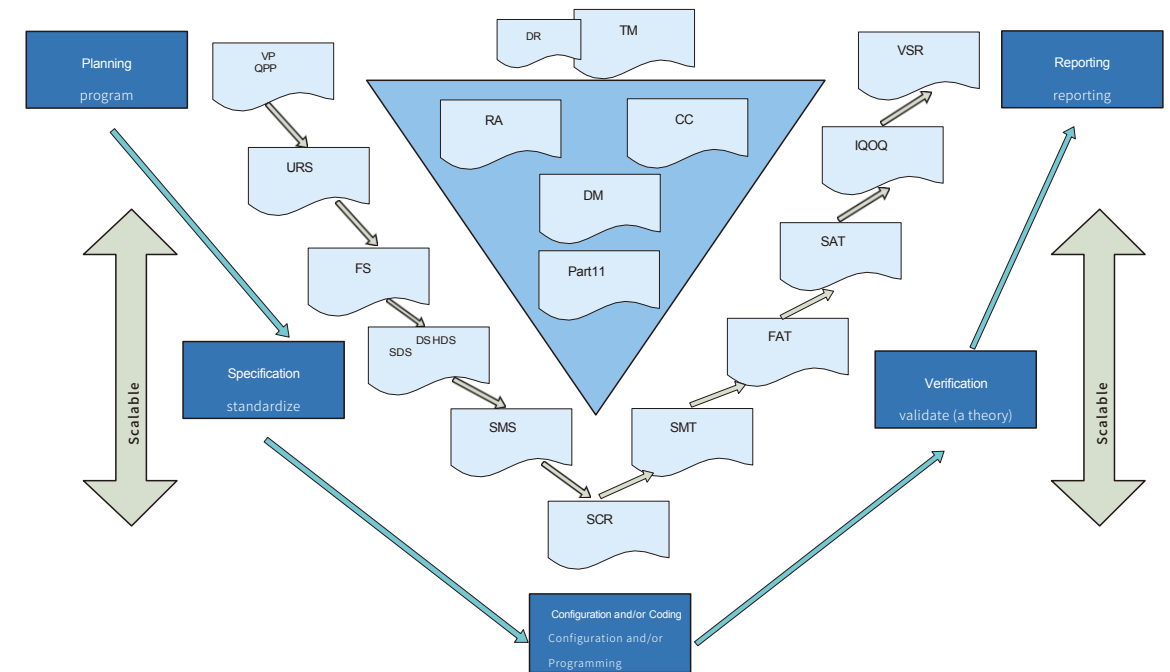
Computerized system validation

Computerized system validation

Computerized system validation is an important part of quality assurance in the pharmaceutical and related industries, and we "follow the risk management methodology of the GXP Computerized System Regulatory" to ensure that the implementation and application of the system meets the regulatory requirements for consistency and data integrity.

Reference Regulations and Guidelines

- FDA21CFR Part11 CFR Part 11 Electronic Records and Electronic Signatures.
- FDA Code of Federal Regulations Title 21, Part 210 211, Current Manufacturing Quality Management Practices for Finished Drug Products.
- EU Pharmaceutical Regulation Volume 4 GMP, Appendix 11 Computerized Systems.
- GMP 2010 Revision, Appendix 1 Computerized Systems, Appendix 2 Validation and Verification.



VP	validation scheme
QPP	Quality and Project Programs
URS	Description of user needs
FS	Functional Description
HDS	Hardware Design Description
SDS	Software Design Notes
SMS	Software Module Description
SCR	Source Code Review
SMT	Software Module Testing
FAT	Acceptance Tests for Workmanship

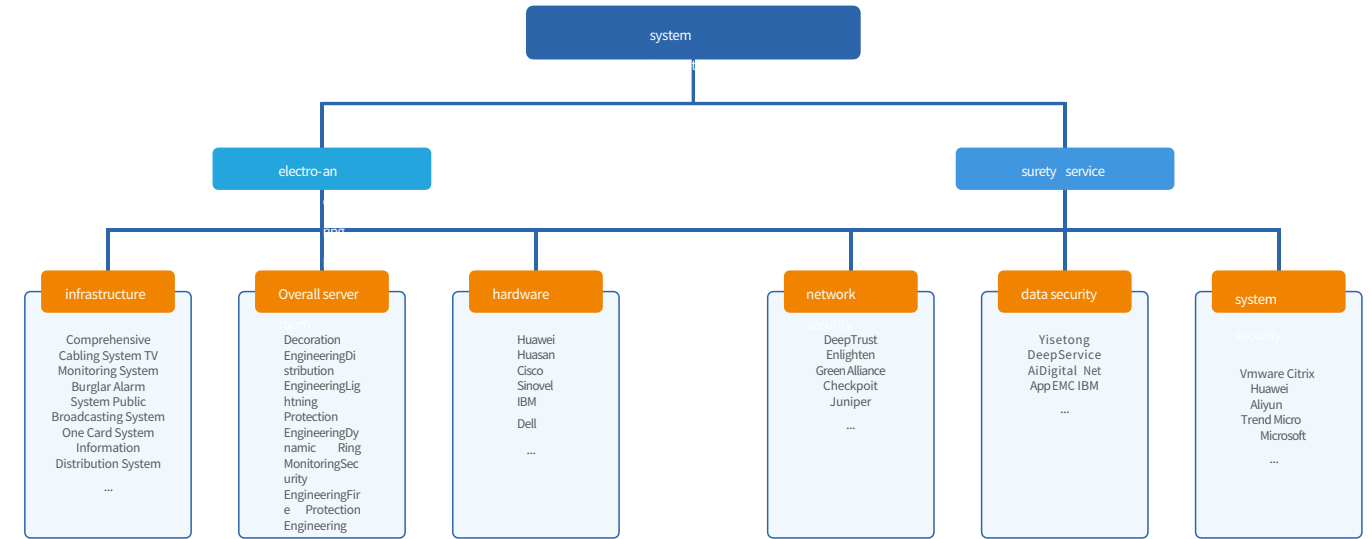
SAT	Site Acceptance Testing
IQ	Installation Confirmation
OQ	Confirmation of operation
VSR	Validation Summary Report
DR	Design Review
TM	Traceability matrix
RA	Risk assessment
CC	change control
DM	File Management
Part11	21 CFR Part 11

Weak Electricity System Integration Service

Weak current system integration services

Business Coverage

- Hyperconverged Servers
- Modularized server room construction
- Integrated Network
 - Cabling Video
 - Surveillance
 - background music (BGM)
- Network security system overall planning
- Network security/data backup
- System Security - Server
- Virtualization/Hyperconverged Data Security - Document Management
- Data Security - Document Encryption



System Integration Cases

System Features

- System overall planning
- communication interface unified command
- transmission accurate
- system compatibility centralized
- convenient management

