LongRiverTech

ERP and management software

Invoicing-Trading-Funding-Project customization-Consulting

Preface

For most enterprises, the focus of ERP management is the unified management of logistics, capital flow and information flow in the process of purchase, sales and production. Usually, as a node in the industrial chain, an enterprise only pays attention to the material and capital transactions of upstream and downstream suppliers and customers directly related to itself, as well as its own production, processing and assembly flow.

With the development concept of "independent innovation, healthy ecology, harmony and win-win", Long River Technology has gradually developed a number of product lines with independent intellectual property rights. LongRiverTech ERP management software has a long history and a lean design. Although the sparrow is small, it has all the internal organs. It is very suitable for the customization, deployment and implementation of small and medium-sized enterprises.

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04 **ERP extend functions**

Suppliers, customers, MES, import and export, finance, dashboard, APP

01

ERP introduction

Domestic trade, foreign trade, production, process, engineering

上海邑泊 ERP 管理系统

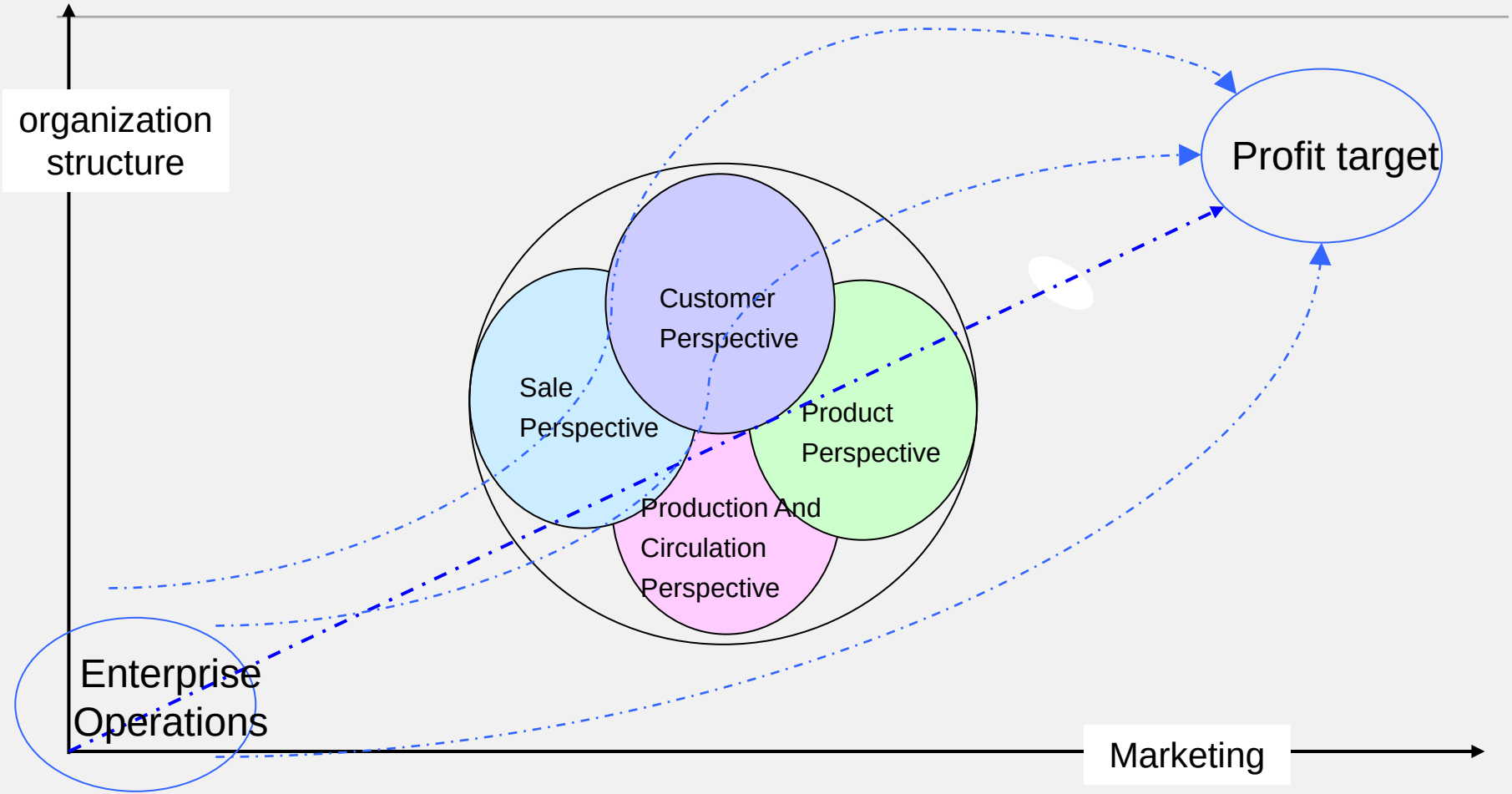
咨询-产品-项目定制-在线云平台-技术服务

流水集合统计数据，实现对企业资源整体运营情况的掌握

多业务、账户和组织组合的现金流，动态检测业务运营

邑泊软件作为核心引擎，为瀚琚云平台提供强大技术动力

The Core Objectives of ERP Management



The Core Objectives of ERP Management

LongRiverTech's three independently evolving product lines sometimes intersect, creating different sparks and tailoring them to suit different application scenarios.

Purchase, sale and inventory

Overview of purchases, sales and inventory via transaction flow

Manufacture

BOM and process flow build the framework of production flow

Project Management

Multi-level WBS structures of projects and tasks coexist with complex network diagrams

The Core Objectives of ERP Management

Production management

BOM,
processing cost accounting,
material tracking

Engineering Management

Integration of projects, materials, contracts and orders, and accounting

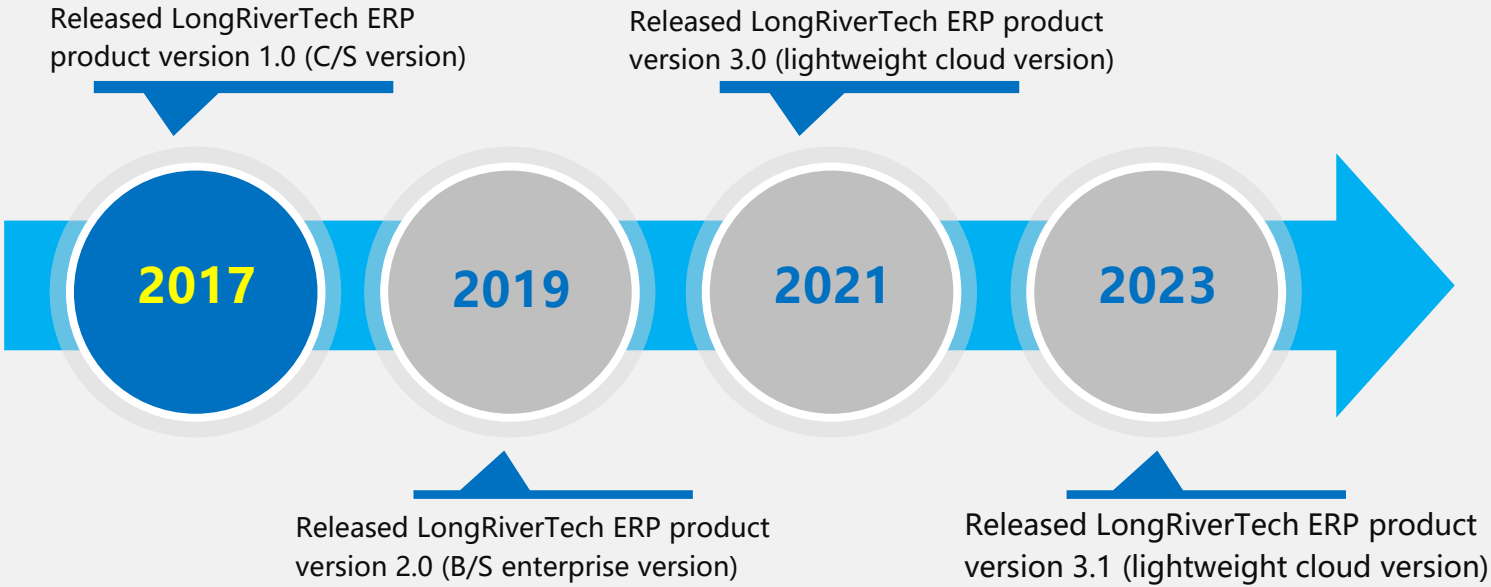
Trade management

Domestic and foreign trade, Purchase, sale and inventory, Import and export, Logistics

Process flow

Process cards,
QR code driven operations,
materials and schedules

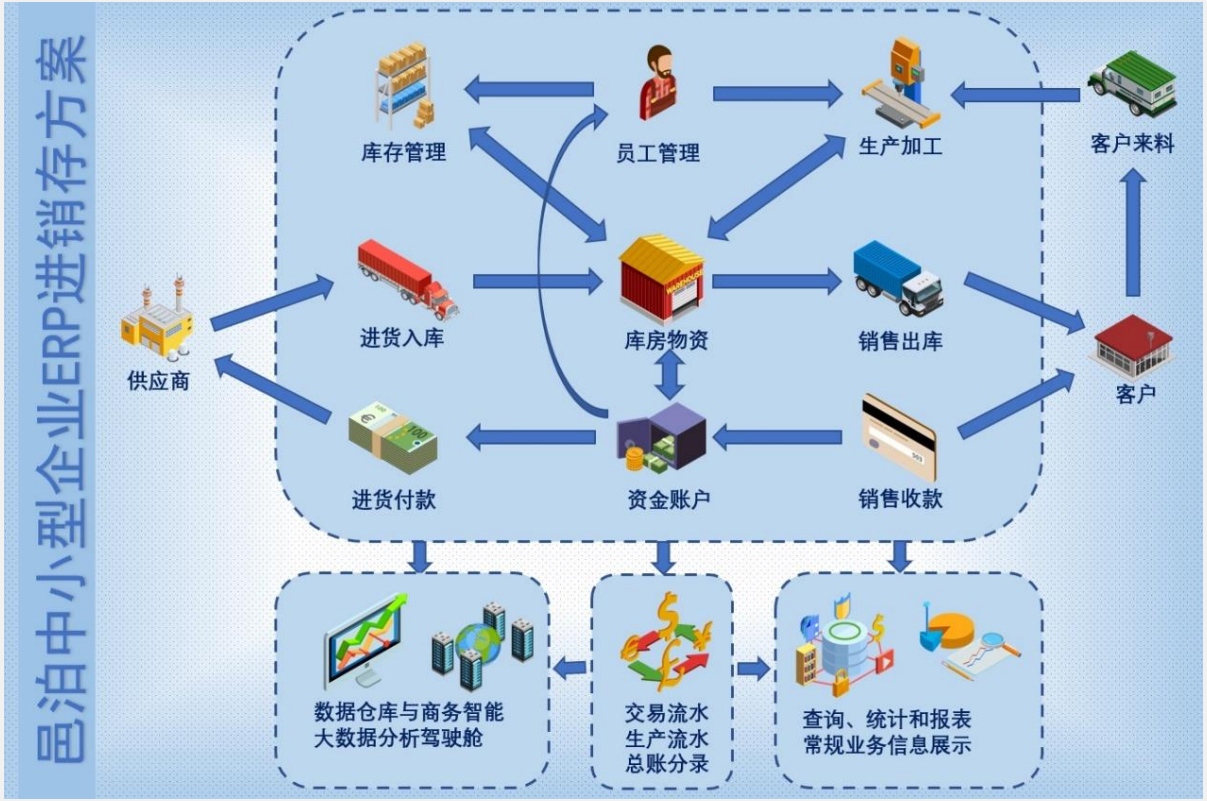
LongRiverTech ERP development history



Since LongRiverTech released its first ERP product in 2017, LongRiverTech has continued to invest resources in the continuous iteration and evolution of the ERP product line. In 2019, the first enterprise version based on B/S web architecture was released, which supports cloud deployment and operation. LongRiverTech enterprise overall management software system is committed to helping the development of the new economy of the Industrial Internet, Industry 4.0 and intelligent manufacturing. LongRiverTech is a one-stop ERP system for small and medium-sized enterprises, which can be customized for personalized business and deployed on cloud platforms. In 2021, LongRiverTech released the first cloud service brand "Hanju", providing a new SaaS operating environment and business model for the release and service of subsequent ERP products.

Implementation plan for purchase, sale and inventory of small and medium-sized enterprises

LongRiverTech Consulting(ERP)



For most small and medium-sized enterprises, the focus of ERP invoicing lies in the unified management of logistics, capital flow and information flow in the process of purchase, sales and production. Usually, small and medium-sized enterprises, as a node in the industrial chain, only pay attention to the material and capital transactions of upstream and downstream suppliers and customers directly related to themselves, as well as their own production, processing and assembly flow.

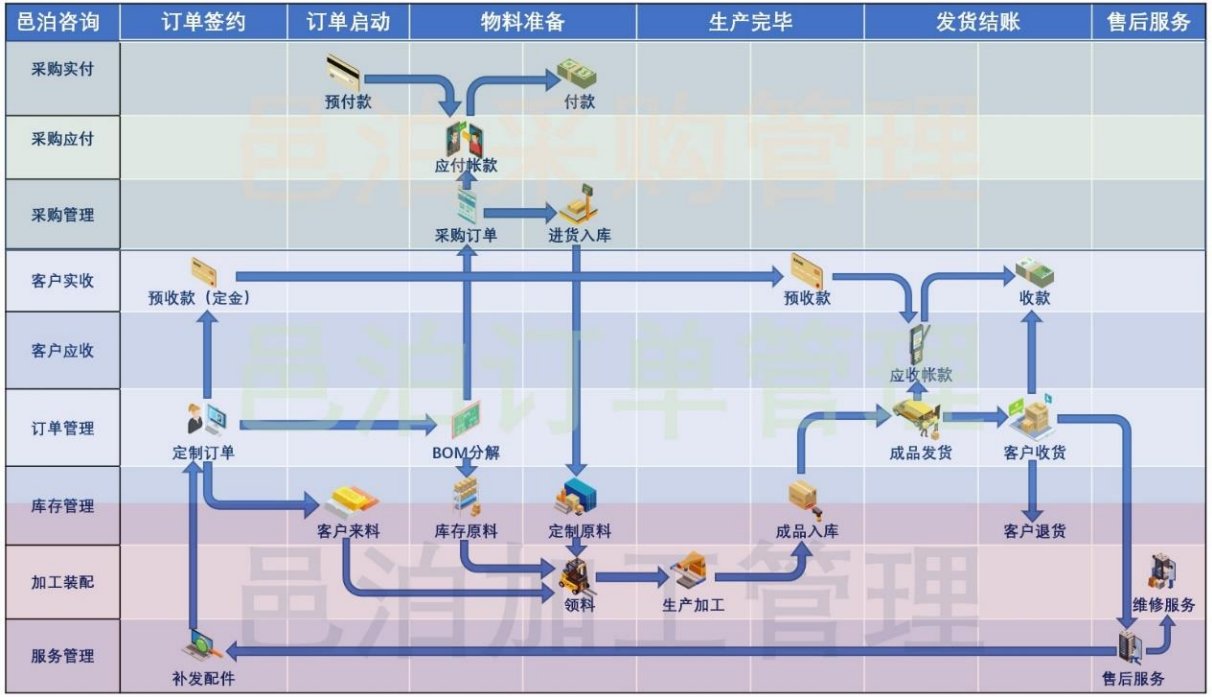
Implementation plan for purchase, sale and inventory of small and medium-sized enterprises

Ideally, the settlement and payment of the payment for goods are in one-to-one correspondence and occur at the same time, but in actual small and medium-sized enterprises, there are a large number of goods before payment, first payment before goods, book-entry down payment and centralized settlement, installment payment and A variety of different goods and payment separation modes such as delivery. There are a large number of many-to-many compound nesting and association relationships in the flow of goods and materials, capital payment and settlement flow, and production and processing workflow, which increases the difficulty and workload of small and medium-sized enterprises in the management and control of business data. Through the implementation of the ERP purchase, sales and inventory plan for small and medium-sized enterprises in LongRiverTech, different payment receipt and payment templates can be adopted according to the characteristics of different businesses, and after entering the business documents, the warehouse of goods and materials, funds receivable and payable, production and processing raw materials and products can be automatically established. All-round relationship between finished products, accounts, warehouses, employees, machinery and equipment, factories, stores, etc. Through the standardized ERP invoicing business process, the operational risk of business execution is minimized, and the risk control measures such as credit limit and risk exposure, such as upstream and downstream relationship limits, are used to minimize bad debt risks and capital costs. Based on the statistics and analysis of historical actual inventory, logistics and capital flow data, it can arrange the best inventory allocation, capital account and logistics distribution, and enhance the profitability and competitiveness of enterprises.

Production management implementation plan for small and medium-sized enterprises

LongRiverTech Consulting(ERP)

Small and medium-sized production and processing enterprises focus on production and processing to drive upstream procurement and downstream order management. The conventional ERP system of purchase, sale and storage satisfies the large-scale production management of batch products.



Mass-produced products with a high degree of standardization can quickly reach saturation through large-scale expansion, leaving a lot of room for growth in non-standard orders that require individual customization. For more innovative non-standard orders, it is increasingly dependent on the auxiliary management of computer systems to cope with the explosive growth of business data.

02

ERP project management

Consultation, contract, customization,
production, service

Project customization process

Creativity and scope

In the project start-up phase, through initial negotiations and contacts, the functional scope and priorities are determined and a preliminary project proposal is formed.

Pricing and risk

During the project cooperation stage, through further brainstorming and detailed communication, the detailed functions and task breakdown will be determined, and a complete project plan and quotation will be formed.

Develop and delivery

After signing the project contract, the project execution phase begins. At this time, it is necessary to control the project progress, identify risks in advance, obtain feedback information, and deliver timely online.

Service and iteration

After the project is successfully launched, continuous project operation and maintenance services are also indispensable. Opportunities for further improvement, optimization and cooperation can be found through the project completion summary.

A successful project needs to go through many different stages from idea creation to online operation.
At each stage, LongRiverTech will have in-depth communication with customers.

Project management methods

Software development has certain uncertainties and risks, and different processes are adopted for different types of projects:

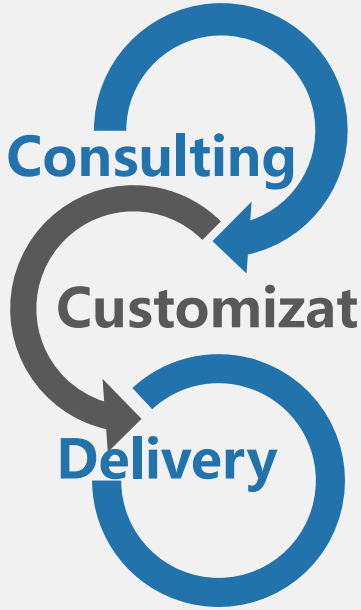
(a) Innovative projects with relatively high risks adopt the Agile Iteration method. One iteration stage is a cycle, and generally one iteration stage lasts from 2 weeks to 1.5 months.

(b) For new feature development projects with relatively low risk, the more cost-effective waterfall model can be used to estimate development costs and formulate plans based on existing frameworks and experience.

(c) Services, operations, maintenance, coding and testing are provided on a fixed-hour basis and are paid based on service time.

Utilize existing frameworks, experiences and templates to develop plans to maximize overall project cost-effectiveness. Based on this, agile methods are used to continuously iterate, innovate and adjust to adapt to the actual needs of customers as quickly as possible.

Project cooperation process



Overall project consultation

Business scenario enumeration and communication
Data model design and maintenance
Preparation and drafting of project proposal

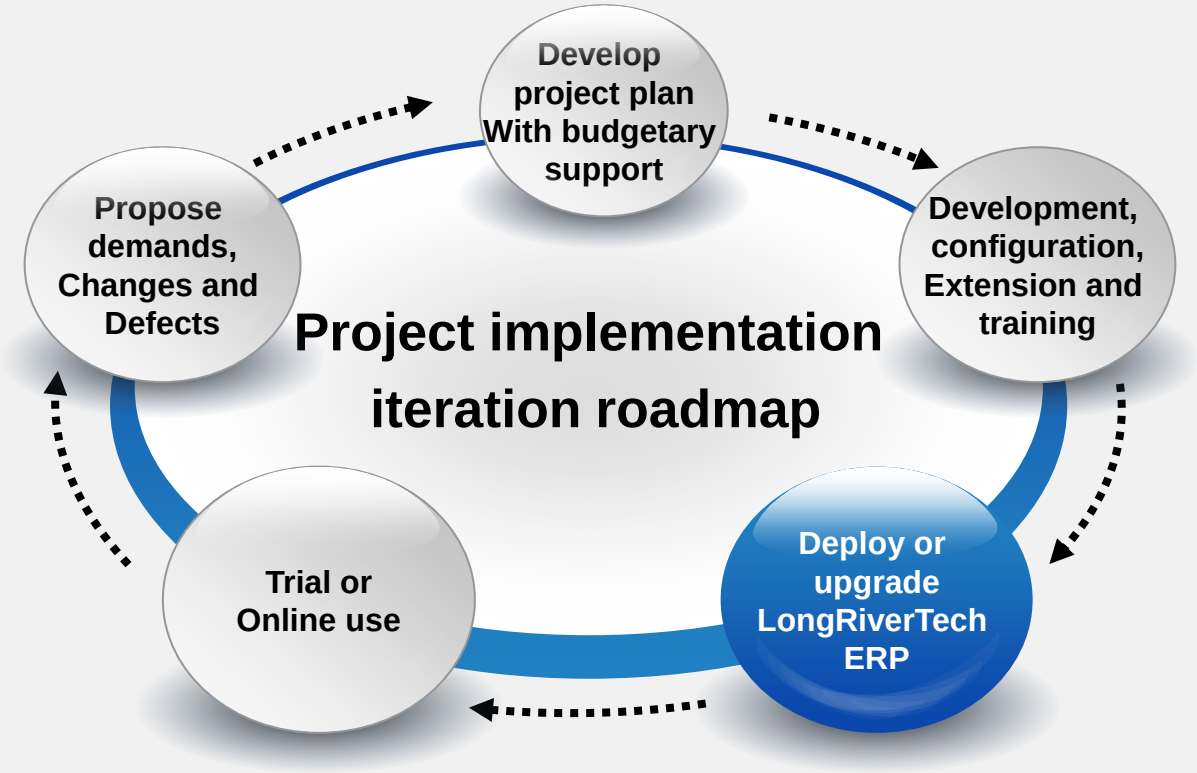
Development, deployment and implementation

User acceptance test case preparation
Data preparation and test-driven development
Deployment environment communication and configuration
User acceptance test data preparation

Acceptance, go-live and deliverables

Online acceptance testing
Project management documentation
Preparation of user manual
Preparation of system operation and maintenance instructions

Project cooperation process



Project cooperation process

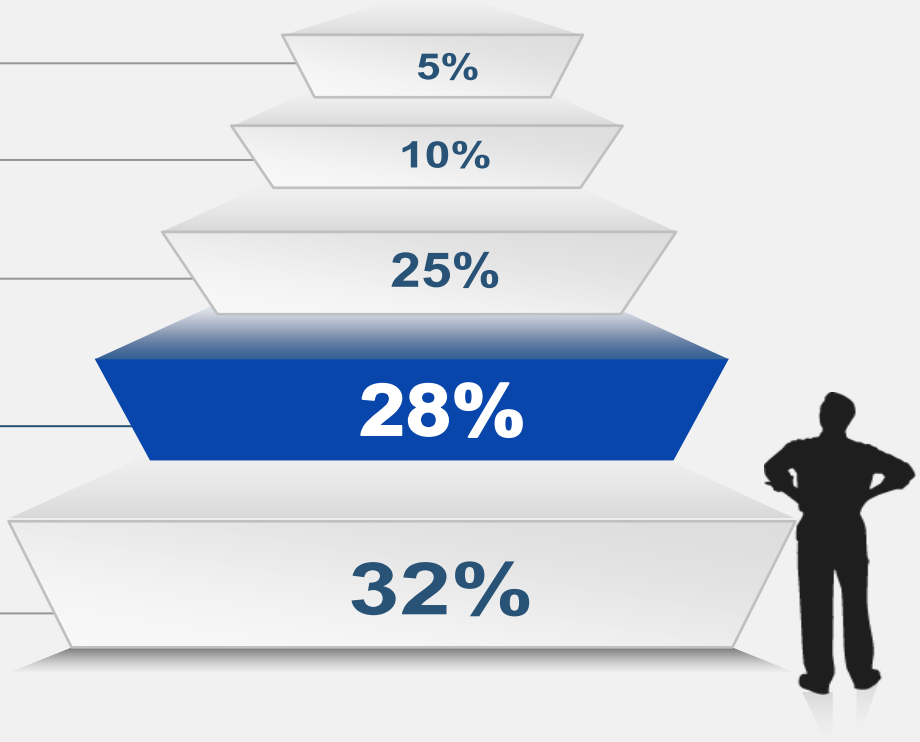
Configuration, training, technical services, operation and maintenance support

New customized development function modules on demand

Iteratively expand functional modules after product deployment and launch

Get the most suitable solution through project consultation

Directly use the existing functionality of the product



03

ERP core functions

Inventory, procurement, sales, processing, funds, reports

ERP core functions

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System administration

log in, register
User management
Roles and user groups
Permissions, menu configuration
System parameters
Data backup and recovery

Basic information

Party, employee
Products, commodities
Accounts, store
Inventory in transit
Accounting item batches

Manufacturing

BOM configuration,
Processing cost list
Assembly and disassembly
Valuation adjustment sheet

Store management

Store goods, goods inventory
Store commodity batches,
Transfer orders, ,store check
Other incoming and outgoing
Consumption of outbound orders
Loss report, Cost adjustment order
transportation order
Receipt, receipt return

Purchase management

Purchase order,
purchase return order
Purchase receipts
business documents

Sale management

Sales order, sales return order
Retail order, retail return order
Sales invoicing,
business documents

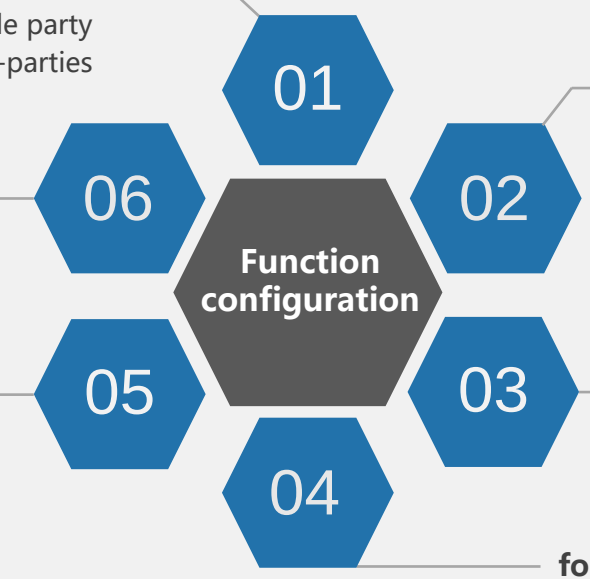
Cash management

Receipt, payment, expenditure
Income, transfer, reimbursement
Expense list, verification form
Advance receipt, advance payment
Accounts receivable,
Accounts payable
Party limit, party account

Statistics and report

Business flow, purchasing reports
Sales reports, inventory reports
Processing reports, capital reports

Function configuration



Our multi-parties

Support our single party
Support our multi-parties

Our multi-account and multi-store

Support our single account
Support our single store
Support our multi-accounts
Support our multi-stores

Storage capacity and location support

Managed to store by default
Can be further enabled to support storage capacity and location, storage size, volume and load configuration and calculation

Their multi-account and multi-store

Support their single account
Support their single store
Support their multi-accounts
Support their multi-stores

Object support

By default, batches of goods are managed in the store
Can further track and manage individual objects
Scan the QR code to enter, exit, inventory, and transport

Multi-currency and foreign exchange operations

Default single currency to simplify system operation
Support multi-currency and foreign exchange business
Foreign exchange, import and export customs, tax calculation

System administration

User management
User login, register, change password

Role and group

Role maintenance
User configuration of roles
Group maintenance
User configuration of groups

Menu rights
Adaptive menu layout

Tree, tile, bottom

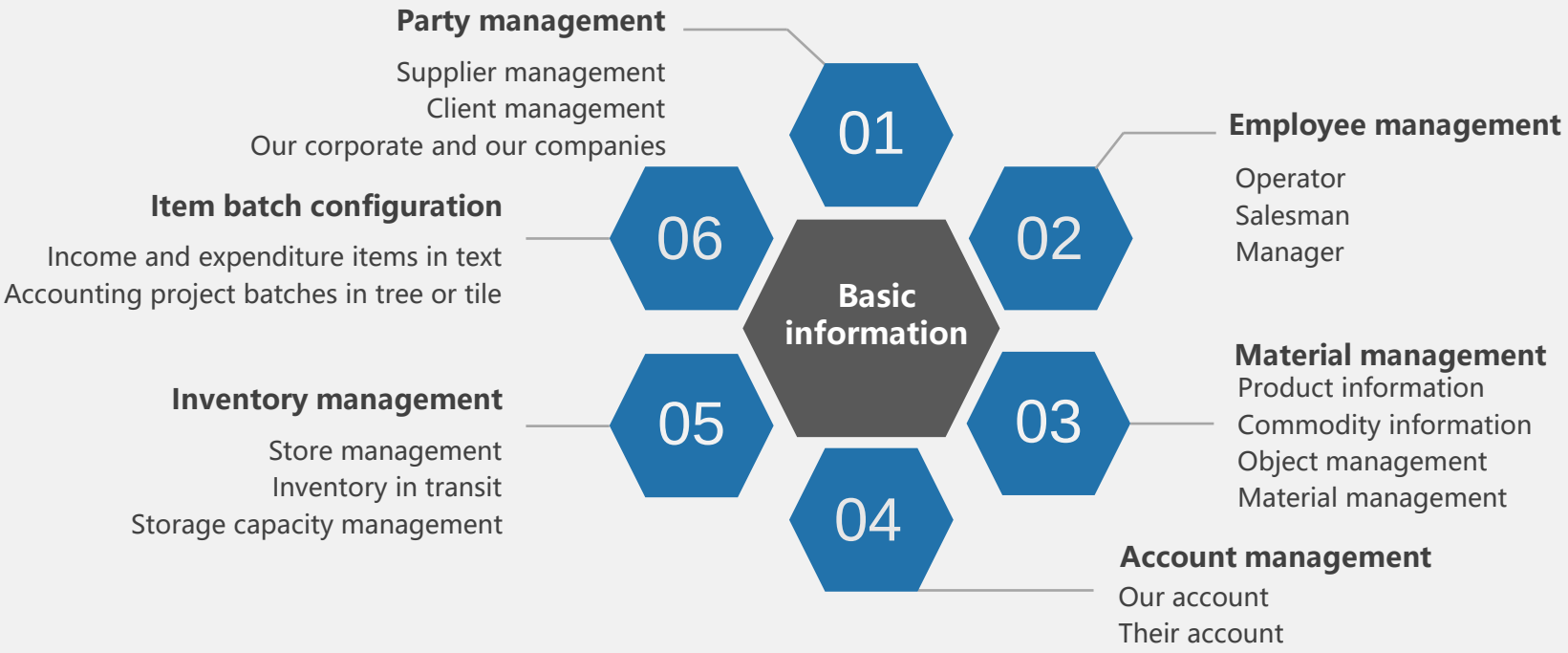
PC version menu
Tablet version navigation menu
Mobile version navigation menu
Role menu permission configuration
Role access to business processes
User group menu permission configuration

System functions
Infrastructure

Data, message and configuration

Data backup and recovery
Send text messages and emails
Payment integration
File storage
System parameters
Holiday maintenance
Serial number maintenance
Summary of user message notifications

Basic information



(1) Purchase order

Create purchase orders, view purchase order flow, reverse purchase orders, and approve purchase orders
View purchase order documents, print purchase order documents, and export purchase order documents

(2) Purchase return order

Create purchase return orders, view purchase return order flow, reverse purchase return orders,
and approve purchase return orders
View the purchase return document, print the purchase return document,
and export the purchase return document

(3) Purchase receipt

Create a purchase receipt, view the purchase receipt flow, and reverse the purchase receipt
View the purchase receipt document, print the purchase receipt document,
and export the purchase receipt document
To-be-received invoice query, received invoice query, split invoice collection

Sale management

Sale order

Create sales orders, view sales order flow, reverse sales orders, and approve sales orders
View sales order documents, print sales order documents, and export sales order documents

Sale return order

Create sales return orders, view sales return order flow, reverse sales return orders,
and approve sales return orders
View sales return documents, print sales return documents, and export sales return documents

Retail order

Create retail orders, view retail order flow, and reverse retail orders
View retail orders, print retail orders, and export retail orders

Retail return order

Create a retail return order, view the retail return order flow, and reverse the retail return order
View retail return documents, print retail return documents, and export retail return documents

Sale invoicing doc

Create sales invoicing documents, view sales invoicing document flow, offset sales invoicing documents,
and approve sales invoicing documents
View sales invoicing documents, print sales invoicing documents, and export sales invoicing documents
Query on invoices to be issued and queries on invoices issued

01

Product objects

Store product inquiry
Store commodity batch query
Object circulation table

02

Check and valuation

Cost adjustment sheet
Inventory sheet
Loss report

03

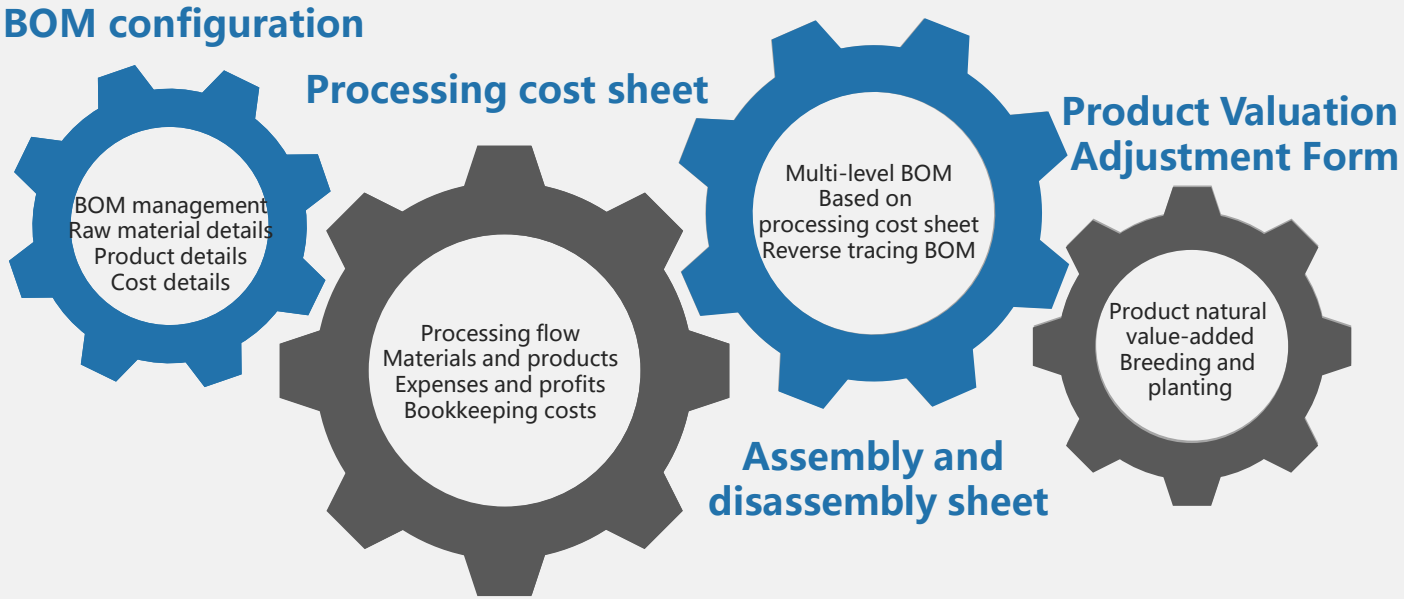
Out and in of store

Real-time transfer order
transportation transfer order
Other warehousing orders
Other stock-out orders
Consume outbound orders

04

Pickup and return

Pickup order
Pickup return order


BOM configuration
BOM management
Raw material details
Product details
Cost details
Processing cost sheet
Processing flow
Materials and products
Expenses and profits
Bookkeeping costs
Multi-level BOM
Based on
processing cost sheet
Reverse tracing BOM
Assembly and
disassembly sheet
Product Valuation
Adjustment Form
Product natural
value-added
Breeding and
planting

Cash management

01

Data configuration

Party limit configuration
Party account relationship

02

Funds in and out

Receipt
Payment
Income
Expense
Transfer bill

03

Cost write-off

Expense list inquiry
Reimbursement form and write-off expense form
Accounting cost inquiry
Check the checkbox to write off the expense form

04

Limit risk control

Advance receipt inquiry and write-off
Prepayment inquiry and write-off
Receivable inquiry and write-off
Payables inquiries and write-offs
Credit limit inquiry and details
Risk exposure inquiry and details

Statistics report (1)

Business flow	Purchase management	Sale management	Store management
Integrated Query	Purchase statistics	Product Sales (Retail) Ranking	Store inventory
Transaction flow inquiry	Purchase details	Customer Sales Ranking	Inventory details
Fund flow inquiry	Inventory Daily	Sales (retail) details	Store in and out statistics
Inventory flow inquiry		Sales (retail) monthly report	Store in and out details
Processing flow inquiry		Sales (Retail) Weekly Report	
		Sales (retail) daily report	
		employee profit	
		customer profit	

A practical management software should be able to provide multiple perspectives from different dimensions to help customers observe the operation of data and make decisions effectively and efficiently.

Statistics report (2)

Manufacturing	Import and export trade	Cash management
Processing flow	Payment details, container details	Current statistics,
Product profit	Sale agency receivables,	current reconciliation
BOM profit	sale agency summary	Current ledger
Process profit	Sale agency cooperation cabinet	Receivable reports
Group profit	Summary by sales company	payable reports
Operator profit	Summary by supplier	Income and expenditure statistics
Customer profit	Summary by product	Income and expenditure details
	Summary by place of origin	Sales outstanding for seller
	Import and Export Sales Report	Current sales outstanding
	Sales report, sales details	Account Inquiry
		Account details
		Bank statements

A practical management software should be able to provide multiple perspectives from different dimensions to help customers observe the operation of data and make decisions effectively and efficiently.

04

ERP extend functions

Suppliers, customers, MES, import and export, finance, dashboard, APP

ERP full functions

LongRiverTech Consulting(ERP)

System administration	Basic information and functions	Purchase management	Sale management
Log in and out	Party, employee	Purchase and return input	Sales and return input
Register	Goods, accounts, stores	Purchase receipts	Retail and return input
User Management	suppliers, customers	Business documents	Sales invoicing
Roles and user groups	Corporate, company, department	Order by sales	Business documents
Permissions	Warehouse, factory, shop	Intelligent replenishment	Quotation table configuration
Menu configuration	Multiple accounts, multiple stores	Procurement planning, approval	Retail price list
File storage	Multi-currency and FX support	Tracking purchase order	Sales planning, approval
System parameters	Object support	Purchase delivery plan	Tracking sales order
Holidays	Storage capacity support	Supplier inquiry	Sales Shipping Plan
Serial number	Storage location support	Historical quotes	Customer quotations
Data backup and recovery	Storage size, capacity and load	Historical transaction prices	Transaction prices
User messages		Supplier contract	Customer contract

ERP full functions

Store management	Manufacturing	Cash management	Statistics report
Store goods	BOM configuration	Receipt, payment	Business flow
Product inventory details	Accounting batch	Expenditure, income	Purchase report
Transfer order	Processing cost sheet	Transfer form	Sales Report
Inventory check order	Assembly and disassembly	verification form	Inventory report
Other store in and out	Product valuation adjustment form	Expense list and accounting costs	Processing reports
Consume store out	Process configuration, batch track	Advance receipts	Manufacturing reports
Loss report, cost adjustment form	Customer incoming material list	Advance payments	Funds statement
General application form (within the plan)	Material picking list, return list	Receivables and Payables	Accounts receivable report
Special application form (out of plan)	Finished product store receipt	Credit limits and risk exposure	Accounts payable report
Receipt of goods received	Product delivery note	Party limit	Current statement
Return store out	Process materials, task execution	party account	Bank statements
	Middle product production order	Salary management	
	JIT production order	Bonus payment	
		Reconciliation	

ERP full functions

Lease and pledge

- Lend out
- Borrow in
- Return sheet
- Pledge lend
- Pledge borrow
- Lend cash settlement
- Pledge return sheet
- Pledge physical delivery settlement

Warehouse management

- External store single-day claim list
- Monthly claim plan
- Summary distribution claim form
- Advance delivery note
- Freeze inventory
- Approval
- Delivery sheet

Workflow

- Rule configuration
- Approval and execution
- To-dos and lists
- Business request
- Approval flow

Logistics

- Transport order
- Delivery order
- Transport configuration
- Delivery date, intermediate nodes
- Customs
- Traceroute
- Transportation plan
- Intermodal transport

ERP full functions

MES

- Materials, workshops, work groups
- Process, section, step
- Tasks, BOM, cost accounting
- Production batches
- Production plans
- Work group schedule
- Material requirement plan
- Production tasks
- Production flow
- Customer incoming materials
- Picking materials
- Returning materials
- Finished product warehousing
- Product shipping

Import and export trade

- Foreign exchange order
- Logistics transport order
- Customs entry and exit
- Processing cost sheet
- Batch profit and loss accounting

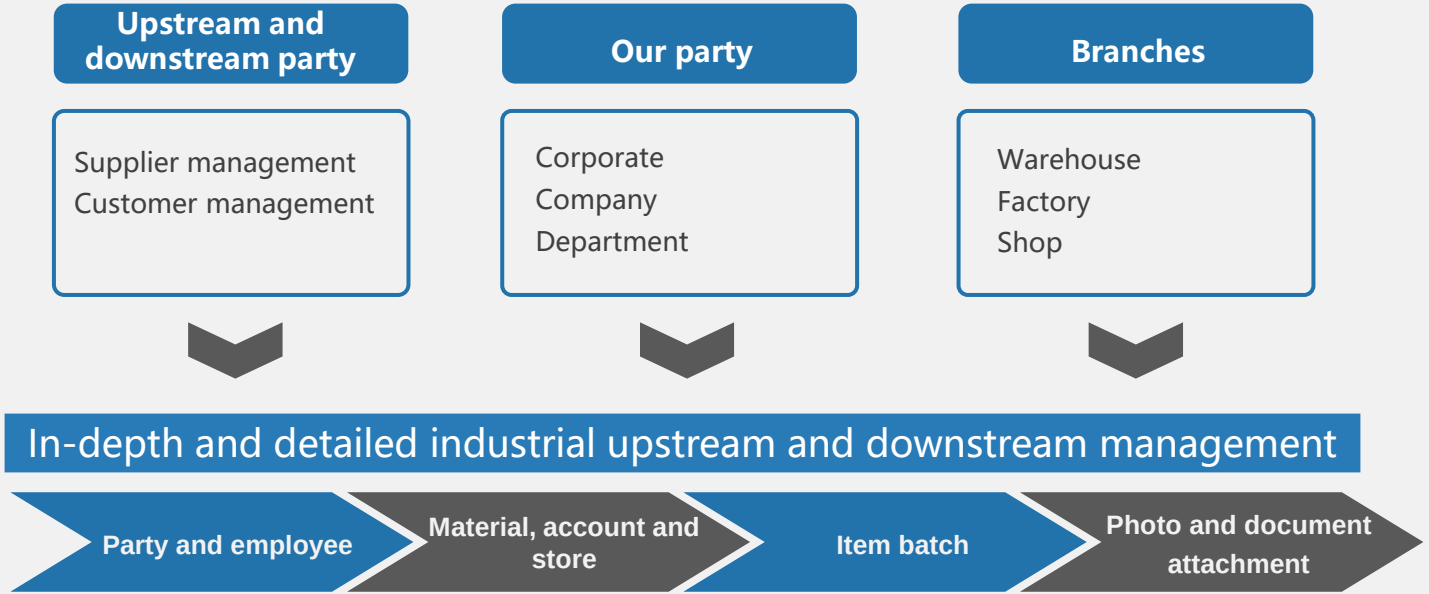
Project management

- Projects, tasks, tags
- Articles, ideas, documents
- Users, manpower, customers
- Rates, logs, progress
- Planning, quality, risk
- Status, schedule, WBS
- Priority, pricing, relevance
- Sales, collections, man hours
- Accounting costs, allocations
- Values
- Aggregation for purchase, sales, inventory and production

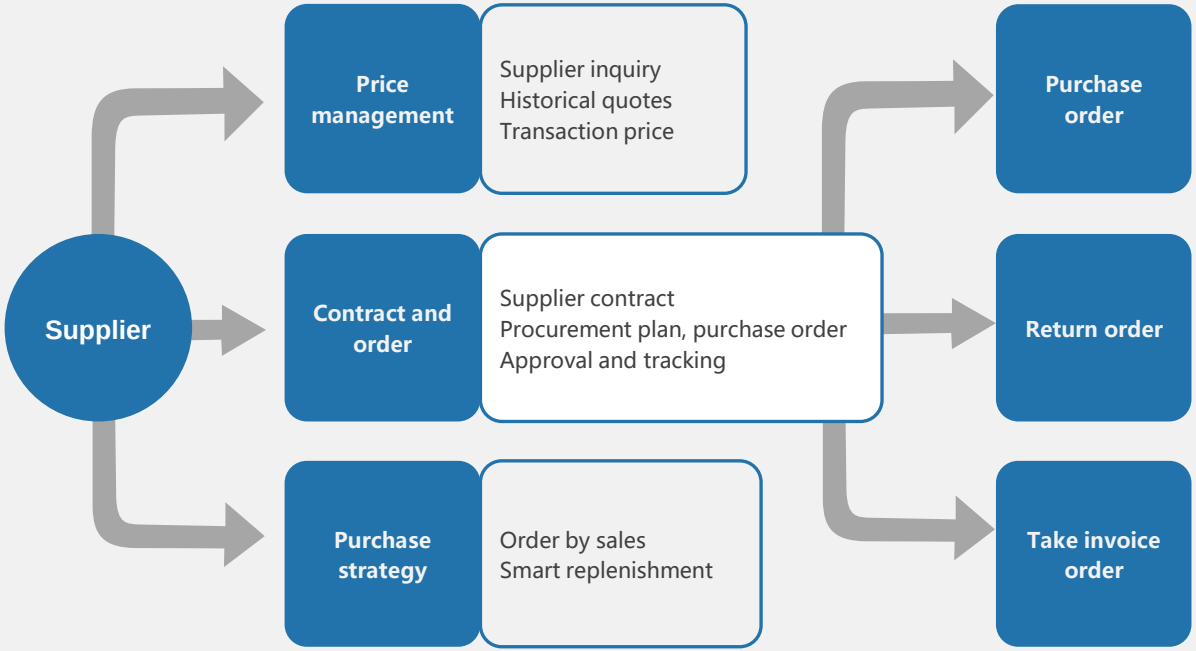
Fixed asset management

- Classification, name, data import
- Registration, change, storage
- Receive, borrow, return
- Transfer within, scrap, sell off
- Transfer out, give away, sell
- Process, clean, send for repair
- Receive, depreciate
- Physical inventory check
- Collect and check inventory
- Asset reconciliation and early warning management

Basic information extend



Supplier management



Customer management

Price

Many different price management and configurations

Adapt to different price management and application scenarios

- Customer quotation
- Historical quotes
- Transaction prices
- Quotation table configuration
- Retail price list

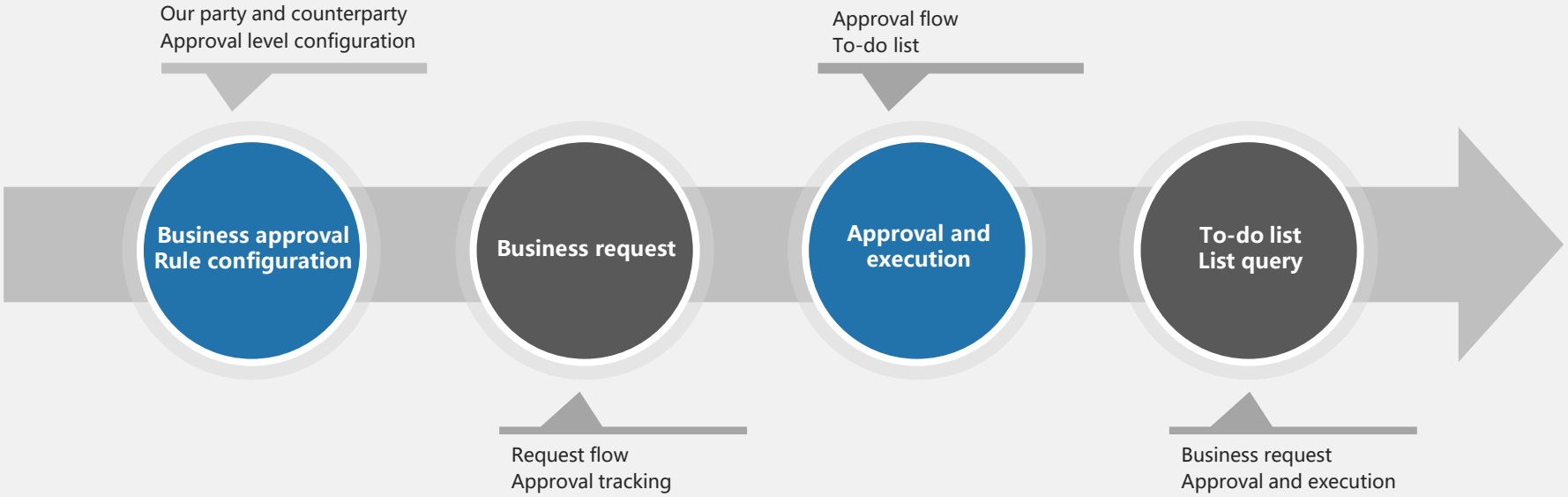
Order

From plan, contract to order, to approval, delivery and full process tracking

Completely covers the entire life cycle of customer order management

- Sale plan
- Customer contract
- Sale order
- Sales shipping plan
- Approval and tracking

Business approval process



Lease and pledge

Leasing and pledging business

Initiate a lease

Lend out
Borrow in

Return settlement

Return store out
Return store in
Lend cash settlement

Mortgage loan

Pledge loan lend out
Pledge loan borrow in

Return settlement

Pledge return order
Pledge physical delivery settlement

MES configuration management

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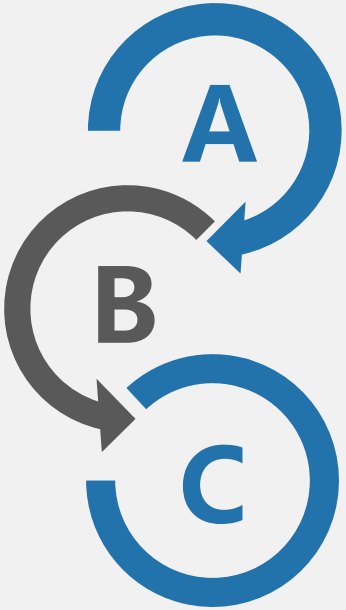
Factory management

Workshop management
Work group management
Work group employees
Employee clock in
Working hours statistics



Material management

Material parent node classification
Associate product with commodity for many-to-many relationships
Support importing Excel configuration
Intermediate materials and semi-finished products do not need to be associated with products and commodities
Raw materials and products need to be related to commodities
Customer incoming materials do not need to be related to the product

Process configuration

Process management supports importing Excel configuration
Process node maintenance
Process section settings
Process node operation steps
Process node BOM raw material configuration
Process node BOM product material configuration
Process node cost accounting configuration

MES batch execution

1 Production batch

Create and generate process cards and MRP calculations
Scheduling and generating production plans, printing, exporting
Generate purchasing plan, QR code identification

2 Batch planning

Material batches are configured through BOM, the inventory in transit is limited to 0~1, and percentage allocation is used.
Work group schedule inquiry, material plan inquiry

3 Production execution

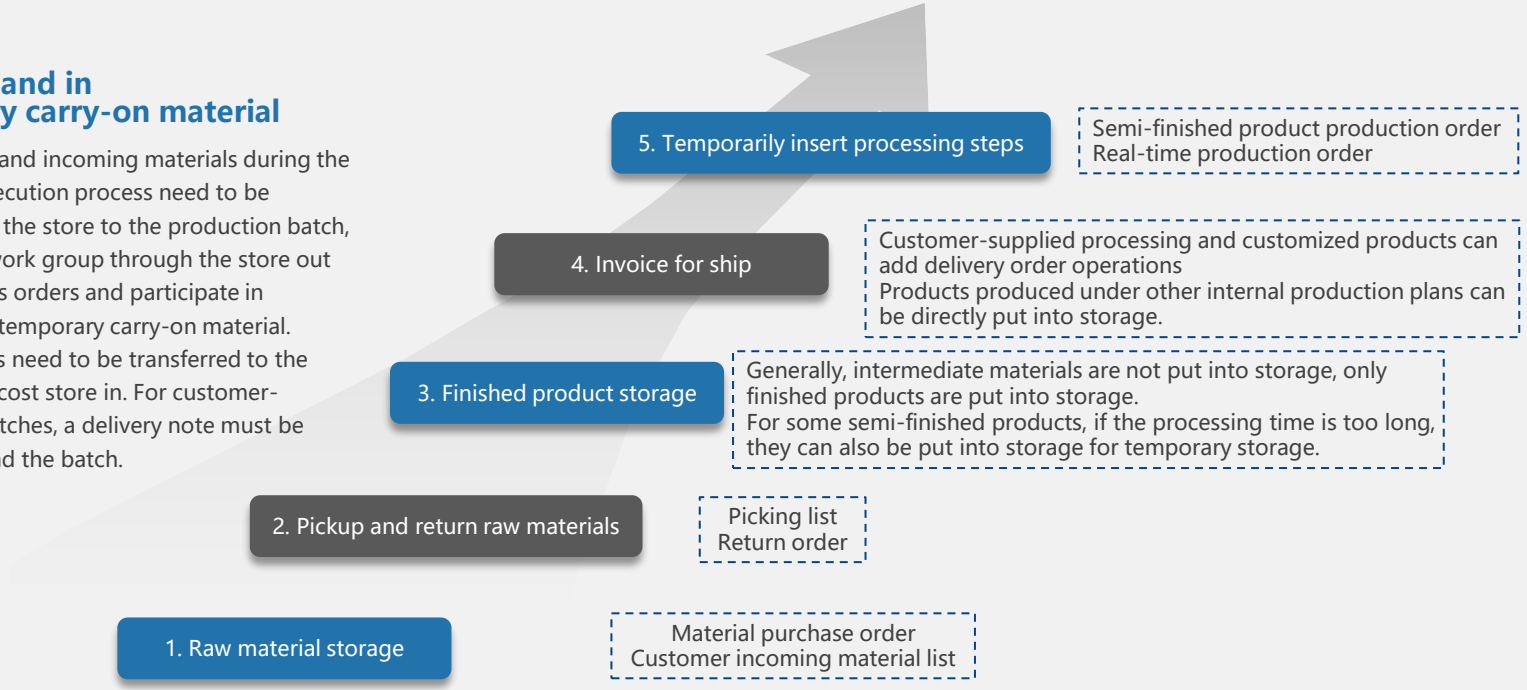
Production tasks, production plans, scan code filtering
Execute tasks, use materials, and scan the QR code to end
Quality inspection, rework, repeat steps
Optional steps, optional tasks, skipped steps

4 Production results

Production flow
Production flow details
Production batch costing and profit/loss accounting

Store out and in Temporary carry-on material

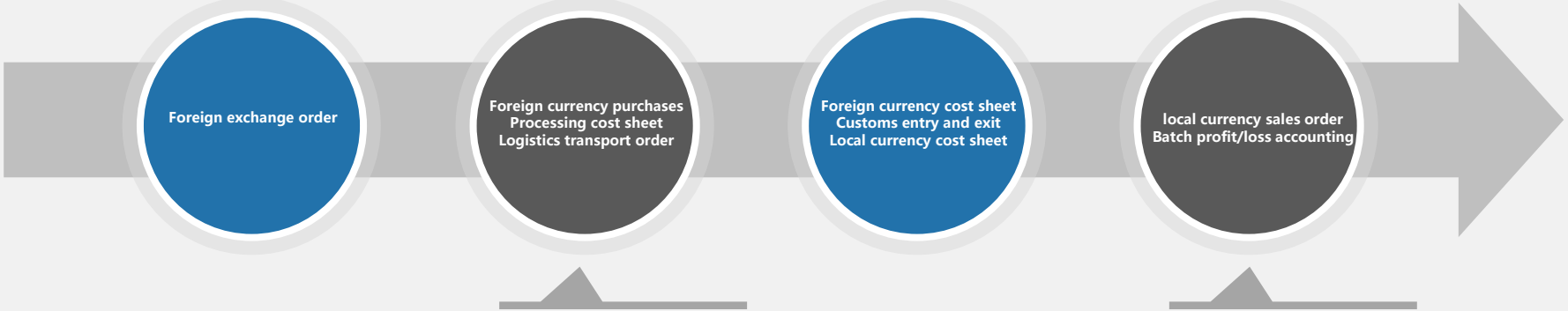
Raw materials and incoming materials during the production execution process need to be obtained from the store to the production batch, workshop or work group through the store out and in business orders and participate in production as temporary carry-on material. Finished goods need to be transferred to the store through cost store in. For customer-customized batches, a delivery note must be executed to end the batch.



Import and export trade

Purchase from our local currency account
Deposit into our foreign currency account
Load default exchange rates from exchange rate table
Can be manually modified to the actual exchange rate

Transfer from foreign currency valuation store to local currency valuation store
The foreign currency cost sheet is used for pricing in foreign currency before transfer.
The local currency cost sheet is used to calculate the price in local currency after transfer.



Foreign currency denominated commodities are deposited into the foreign currency valuation store
Delivery date and logistics information tracking

Only sales profits and losses are calculated for local currency sales out of the store
Can calculate the profit and loss of the entire import and export batch

01

Basic configuration

Account journal
Account leger

02

Rules and standards

Accounting entry template
Document and voucher entry rules

03

Running flow data

Business document transaction flow
General ledger flow automatically generated
General ledger manual account correction

04

Financial Statements

Balance sheet
Cash flow statement
Balance sheet

Dashboard-Invoicing

Purchase dashboard

Comprehensive statistics
Purchase quantity and purchase amount
Purchase and inventory value of the month

Warehouse inventory value histogram
Product inventory value histogram
Product inventory quantity histogram
Average monthly purchase amount histogram
Inventory warning (out of limited range)

Purchase statistics
Warehouse value storage rate, purchase return rate, annual purchase return rate
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Return details
Warehouse stored value pie chart
Product stored value pie chart
Warehouse monthly average purchasing histogram

Store dashboard

Warehouse inventory value histogram
Product inventory value histogram
Product inventory quantity histogram
Inventory warning (out of limited range)
Inventory details
Stored value pie chart of different warehouses
Stored value pie chart of different products
Monthly average purchasing bar chart by warehouse

Sale dashboard

Comprehensive statistics
Sales quantity, sales amount
Retail quantity, retail amount
Profit Statistics

Sales statistics
Sales return rate, retail return rate, profit margin for the month
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Product sales bar chart
Product retail bar chart
Customer Sales Bar Chart
Warehouse inventory value histogram
Product inventory value histogram
Product inventory quantity histogram
Product profit margin bar chart
Customer Profitability Bar Chart
Inventory warning (out of limited range)
Sales bar chart
Retail bar Chart

Dashboard-processing and manufacturing

Production dashboard

Comprehensive statistics: raw material quantity, raw material amount, product material quantity, product material amount, batch quantity, task quantity, inventory valuation
Chart display: product output value chart, raw material cost statistical chart, process batch statistical chart, task quantity statistical chart, production profit and loss statistical chart, raw material inventory warning, product inventory warning, monthly average output value histogram

Production kanban

Task queue: plan queue, to-do queue, WIP in-progress queue, completion queue, cancellation queue
Display information: process batch number, process name, process steps, task name
Measurement tracking: planned start and end times, actual start and end times, number of hours worked, duration

01

API

Data access and edit
Business process operations

02

Mobile

Content website
Customer places order
Online approval
Lean reporting

03

Wechat APP

Customer places order
Online approval
WeChat integration

04

APP packaging

Android packaging
IOS packaging

Hardware, servers and website domain names

Overall machine configuration	Client PC+monitor (Intel i5,6 Core,16G/256G SSD/1T HD mini computer) DELL 3070 mini computer(i3-9100T/8G/256G SSD/Customization) with 19.5-inch monitor
Monitor	27-inch monitor: Development and testing 70-inch display: Dashboard, large-screen display
External device reference	QR code/barcode scanner, QR code/barcode label printer Deli DB-618K 1+3 dot matrix printer, 2-in-3 800-page printing paper
Cloud servers	2-core 4G/Hangzhou or Shanghai computer room in East China/100G network disk/2M bandwidth, 15~20 people, 50,000 people/day 4-core 16G/Hangzhou or Shanghai computer room in East China/100G network disk/4M bandwidth, 40~100 people, 100,000 people/day
SMS package	Alibaba Cloud SMS package small package 5000 messages 24 months Alibaba Cloud SMS package includes 50,000 messages for 24 months Alibaba Cloud SMS package includes 500,000 messages for 24 months

LongRiverTech Services

LongRiverTech Consulting(ERP)

01

Typesetting customization

QR code/barcode debugging integration
Print barcode and QR code labels
Print format and typesetting customization
Printing document 2-part format customization
Export Word template customization
Import Excel format customization
Export Excel template customization

02

Professional services

Technical Services
Implement and maintain
Simple technical communication

Comprehensive consultation
Conferences, comprehensive business consulting
Technical consulting and training

03

Project customization

Project management and agile practices
Software requirements specification
Software design specification
Software testing specification
Coding and manual testing
Automated test

04

Interface integration

cmd api integration
dll api integration
web api integration
Socket api integration

THANKS

We look forward to cooperation

Long River Technology : Richard Shi

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