iChen Cloud

iChen Cloud
Unlock Full Manufacturing Value

Smart Platform

| IoT Devices | Basic Version | Pro Version | Max Version |

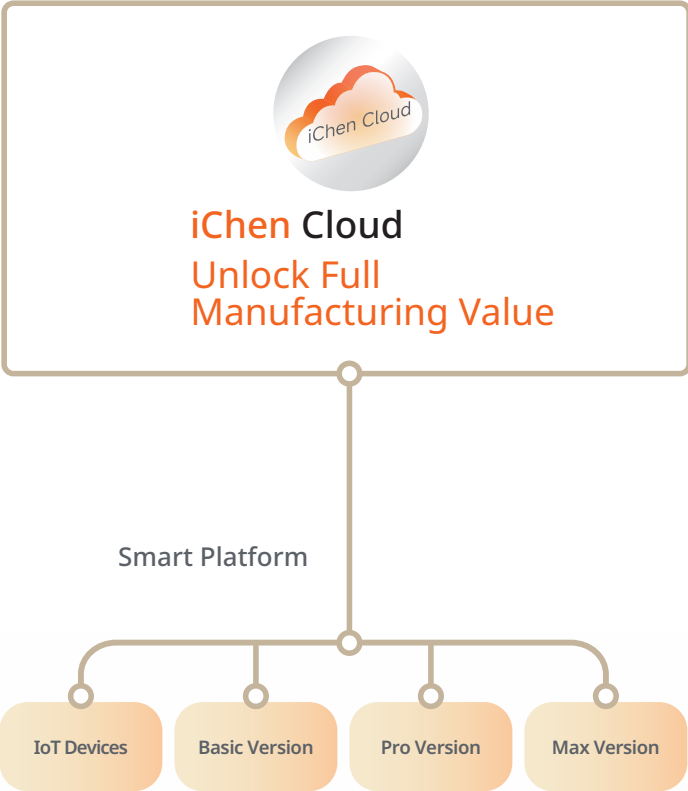### Digitization: iChen Cloud Solution

Implemented in stages according to customer needs, to achieve the introduction of functional modules such as data collection, energy monitoring, process management, quality management, and automatic scheduling.

- Workshop Layout
- Auxiliary Equipment Selection
- Utilities Planning
- Automation Planning
- Material Supply System
- Logistics And Storage

Digitization

iChen AI Molder

Smart Parameter Tuning   **Smart Mass Production**

Since 1958

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iChen Cloud
Product Introduction & Key Features

iChen Cloud

Essential monitoring and analysis to achieve transparent production processes.

- Internet of Things (IoT)
- Manufacturing Execution System^Lite (MES)

| Asset Monitoring | Process Analysis | Alarm Monitoring | Process Parameters | APP Dashboard Management |

iChen Cloud Pro

Comprehensive, end-to-end process management enabling refined operations and improved efficiency.

- Internet of Things (IoT)
- Manufacturing Execution System^Lite (MES)
- Enterprise Asset Management (EAM)
- Quality Management System (QMS)
- Data Platform^Lite

| Asset Monitoring | Factory Modeling | Quality Dashboard | Overview Dashboard | Equipment Inspection |
| Inspection Scheme | Report Management | Maintenance Management | Work Dispatch Management | Anomaly Management |

iChen Cloud Max

Advanced intelligent management solution supporting cross-system collaboration, smart manufacturing, and strategic decision-making.

- Internet of Things (IoT)
- Manufacturing Execution System (MES)
- Enterprise Asset Management (EAM)
- Quality Management System (QMS)
- Data Platform
- Warehouse Management System (WMS) & Warehouse Control System (WCS)
- Advanced Planning and Scheduling (APS)
- Energy Management System (EMS)

Asset Monitoring	Factory Modeling	AI-Assisted Decision-Making	System Integration	Overview Dashboard
Scheduling Optimization	Gantt Chart for Planning	Energy Consumption Analysis	Order Forecasting	Report Management
Work Dispatch Management	Anomaly Management	Inventory Management	Work Order Management	Alert Management

Contact us to gain a deeper understanding of the product configurations.

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iChen Cloud Customer Cases

Case 1 - Enabling Smart Energy Management for a Renewable Energy Leader

Developed a comprehensive energy management solution for a renewable energy leader, focusing on data collection, analysis, and optimized control. This resulted in a transparent, intelligent system that reduced energy consumption, improved efficiency, and advanced energy conservation, establishing new industry standards.

- **Automatic Factory Operations Reporting:** Reduced annual labor costs by approximately RMB 400,000.
- **Remote Anomaly Monitoring and Automatic Alerting:** Saved approximately RMB 320,000 in annual labor costs.
- **Energy Consumption Visualization and Automatic Analysis Reporting:** Resulted in annual labor cost savings of approximately RMB 358,000.

Case 2 - Facilitating Efficient Manufacturing and Operational Management for a Daily Necessities Company

We implemented a comprehensive smart manufacturing upgrade in customer factories, including real-time data collection, multi-process control, EAM, APS, MES, QMS, and production dashboards. This integrated system enabled closed-loop, data-driven decision-making, empowering customers to achieve significant cost reductions and efficiency improvements.

- **Intelligent Scheduling and Dispatch:** Reduced downtime, saving approx. RMB 500,000 annually.
- **Automated Data & Visual Control:** Reduced labor costs, saving approx. RMB 300,000 annually.
- **Full-Process Quality Tracking:** Minimized scrap risk, with annual savings of approx. RMB 1 million.

iChen Cloud Co-Innovation Customers

Customers are listed in no particular order.

Contact us to gain a deeper understanding of the product configurations.

iChen Cloud
Unlock Full Manufacturing Value

iChen Cloud

Contact us immediately to embark on your journey towards a smart factory!

| YouTube | Facebook | LinkedIn |

67 Years of Manufacturing Excellence
Empowering Global Customers for Digital Transformation

- The core team unites exceptional talent from globally renowned universities (including Columbia, UC Berkeley, HKU, and HKUST, among others) and from top-tier enterprises such as Microsoft, McKinsey, and Jane Street.
- Industry-leading smart manufacturing operations management platform, comprehensively cover APS, EAM, MES, QMS, WMS+WCS, EMS, IoT and Data Platform, realizing digital control throughout the entire production cycle.
- Chen Hsong iChen Cloud - Your preferred solution for smart manufacturing operations management.