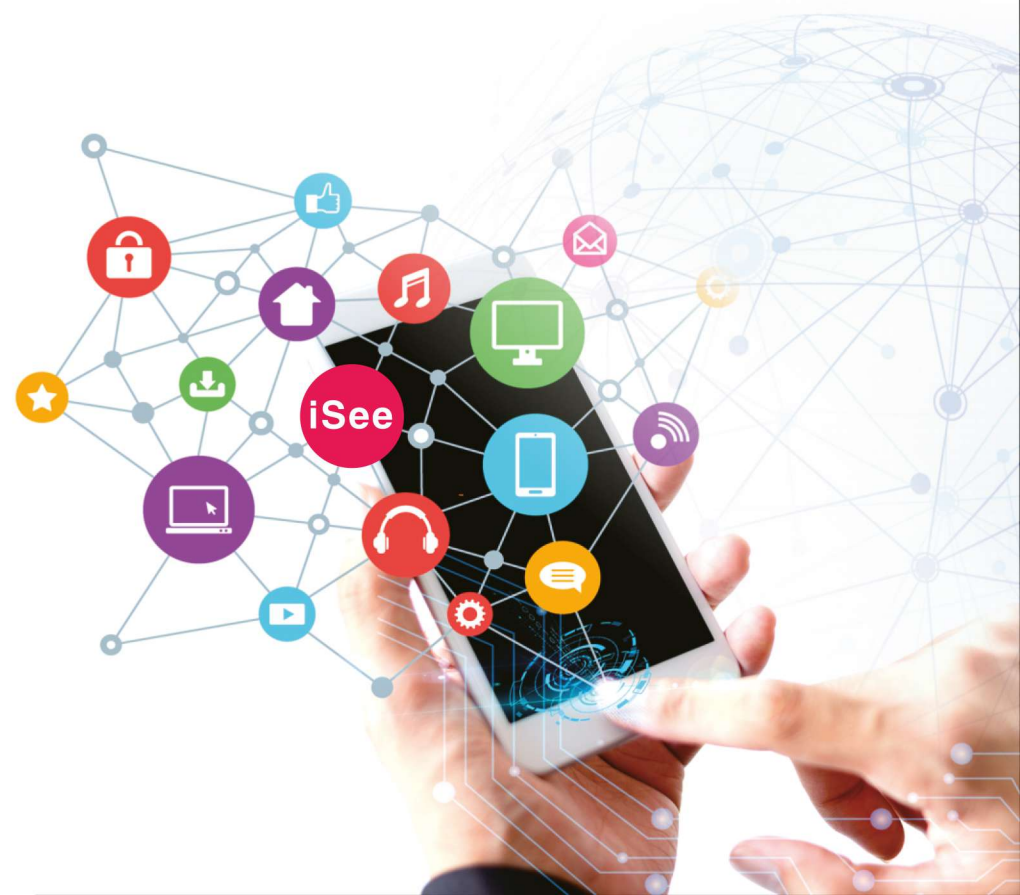


WELLTEC



iSee 4.0

Intelligent Management Cloud Platform



ЕВРОПОЛИМЕР ТРЕЙДИНГ

Адрес: Ростов-на-Дону, ул. Вавилова 59

Тел: +7 (863) 309-03-88

Сайт: <https://tpa-ept.ru/>

Email: tpa@ep-group.ru

Contents

• Situation Analysis of Plastic Industry under Industry 4.0	02
• What's iSee	04
• Network Architecture of iSee	05
• Function Module of iSee	07
• Service Advantages of iSee	09
• Investment Benefit Analysis	11
• Successful Cases	12
• Future Plan of iSee	13
• Awards	14

Industry 4.0

Situation Analysis of Plastic Industry under Industry 4.0

Industry 4.0 is one of the ten future projects initiated by the German government under the High-Tech Strategy 2020. It refers to the use of the IOT information system to digitize data and intelligently provide the production supply, manufacturing and sales information to achieve a fast, effective and customization in product supply.

"Made in China 2025" proposes the policy of "Innovation-driven, quality first, green development, structural optimization, talent oriented."

With the rapid development of new technologies, such as cloud computing, big data, mobile Internet, Internet of Things and artificial intelligence, the traditional model of manufacturing has been greatly challenged. And the innovation of new business model becomes possible.

Industry Status



What's iSee



iSee is an intelligent management cloud platform based on building the IOT for industrial plastic equipment integrating the advantages of cloud computing and big data. It can improve the controllability of the production process, reduce manual intervention on the production line, and make reasonable schedule.

It is to build an efficient, energy-saving, environmentally friendly and humanized factory to help enterprises achieve Industry 4.0.

i for IMM and Intelligent

S for Surveillance and Supervisory control

e for Electronic

e for Environment

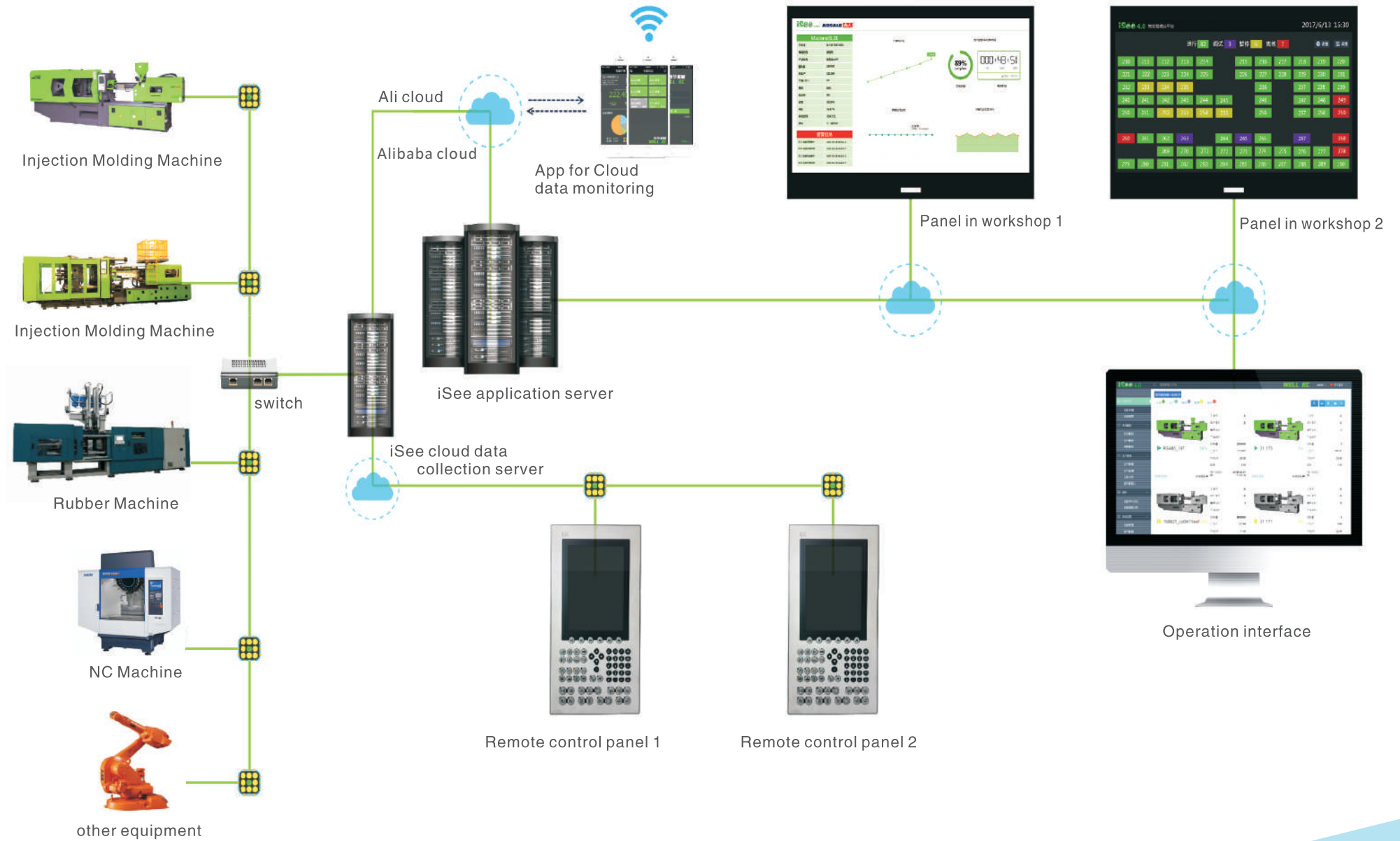
Intelligent **S**urveillance **E**lectronic **E**nvironment

Main function

- To achieve objectives of quality, efficient and low-consumption production through a wise analysis and application of the collected data.
- Intelligent push notification immediately transmits the production plan and alarm information to the terminal equipment.
- iSee is working towards Lean Production and standardized assessment through a management of productivity of machines and workers.

Network Architecture Diagram

Hardware device diagram



Function Module in your PC

Device monitoring



Device analysis: Name and status of device, production progress, parameters, utilization rates, completion rates and status of the auxiliary machines, etc.



Panel display for real-time monitoring

Comprehensive panel, SPC panel, NC panel, status panel, production panel



Production management

Order importing, production scheduling and tracking, production process data, basic data



Production analysis

Device name, status, orders, mold usage, products, target quantity, completion rates, expected completion time, etc.



Analysis report

Reports of SPC comparison, energy consumption analysis, scheduling, equipment utilization, failure rate, capacity and defective products, etc.

iSee in your app



On duty

Operators scan the QR code to record the working hours, output and quantity of defective products. One person can operate one or multiple machines.



Monitor

Operators can monitor machine status, output, alarm information and orders details on the mobile phones. Authorized users can be in control and make proper decisions in a timely manner.



Alarm

Operators can notify the person in charge by a scan of QR code when machines are not working properly. A speedy maintenance can be done.



Loading

When it comes to the time for loading raw materials, Operators can notify the person in charge by a scan of QR code for immediate action.



Service Advantages

Users of i See can choose to use the cloud server. The machines can be connected to the cloud platform just by one cable, which largely saves the investment cost of building a network infrastructure in the early stage and the subsequent maintenance cost.



Informationization of the production workshop is attained through iSee platform that enables a range of data collection, statistics and analysis, etc.

The production progress, expected completion date and production schedule of orders can be checked through the terminal device. A better arrangement of resources becomes possible.

The smart push function instantly transmits the 'to-do list' to the designated terminal equipment (PC, iPad, iPhone, Android, etc.) attaining real-time monitoring.

iSee platform helps upgrade the entire workshop. It enables equipment health prediction and remote diagnosis. In-depth analysis of equipment data facilitates process improvement, equipment utilization and indicates the level of production capacity.

Investment Benefit Analysis of iSee



Reduce paperwork for shifts,

Reduce semi-finished products,

Reduce manufacturing cycle time,

Reduce product defects

Successful Cases

Haier



SKOFM



APLASE



ERA®



KaShui 1980



DONGLI

JIAN QI

According to the research by the International MESA Association, the value brought by MES is considerable compared to any other manufacturing software.

Future Plan of iSee

Create a Smart Factory



Cloud computing and big data

Collect big data for professional processing. We turn data to insights and lay a solid foundation for artificial intelligence.



Improve service quality

Establish a management system for customers. Customer can monitor the use of equipment through cloud computing.



Smart factory

The perfect combination of Internet of things and informationization of IMM achieves automatic collection of production data and real-time analysis of equipment to attain intelligent production.



Awards

Trademark & Awards



National computer software
production right



“Hong Kong Awards of Industries—
CERTIFICATE OF MERIT FOR MACHINERY
AND MACHINE TOOLS DESIGN”

