Disruptive Innovation:
Tech Company Webcast – Intelligent Manufacturing
Deloitte China Innovation Department
Basic Information

- Industry: Intelligent Manufacturing
- Founding time: 2015
- Current scale: 63 employees
- Financing stage: A round
- Company location: Shanghai

Company Profile

- Shanghai BUGONG Software aims to synergize and optimize the Smart Manufacturing Supply Chain with collaborative production, providing Industrial Internet Platform for manufacturers. The company is dedicated to system designing and algorithm research. Shanghai BUGONG Industrial Internet Platform and ORAPS Intelligent Manufacturing Management System can facilitate manufacturing enterprises to form new supply chain and industry big data for the industrial upgrading.

Products

- Bugong Intelligent Manufacturing Planning and Scheduling System
- Bugong Supply Chain Collaboration Network

Primary User

- It is suitable for many industries such as auto parts, forging, textile, printing and dyeing, machine processing, molding, 3C, medicine, project-based manufacturing and supports special supply chain management needs.
Product Introduction

- Bugong Intelligent Manufacturing Planning and Scheduling System: Contains more than 100 optimization algorithms and uses advanced technologies such as AI and Blockchain. Considers almost all constraints on production and supply, like equipment, inventory, molds, personnel, etc. High speed computation, which only takes a few seconds to give a production planning of over a thousand orders or products compared to hours even days needed by the current traditional excel way of planning. Predicts the delivery time and evaluates the production capacity in seconds. Conducts what-if scenarios.
- Bugong Supply Chain Collaboration Network: Bugong planning and scheduling system can be deployed on the cloud and supports the cross-enterprise planning to achieve collaboration of all the enterprises on the supply chain, which leads to more flexible and higher efficiency.

User Scenarios

Benefits of a large electrical appliance leading enterprise:
- Improves delivery of orders by optimizing production planning and manufacturing order.
- Provides overall plans which coordinate long and short term plans and improves efficiency of whole process.
- Conducts MRP for self-made parts according to the demands which leads to lower inventory.
- Splits long term forecast orders into small rolling weekly.
- Advanced scheduling system leads to less production switching of machines and molds, optimizes the efficiency of production capacity.

Business Requirements

- Digital planning and scheduling of core leading enterprises in manufacturing industry
- Work with Deloitte on the integration of solutions and products in manufacturing and supply chain informatization to realize the intelligence of whole process management for enterprises
- Jointly create cloud intelligent plan (collaborative plan) for public service
- Work with Deloitte to create supply chain collaboration cases, enable the digital planning capability of the whole supply chain, and realize "open source" for clients

Website

- www.bugongsoft.com
H VISIONS

Basic Information

- Industry: Intelligent Manufacturing
- Founding time: 2015
- Current scale: 200 employees
- Financing stage: C round
- Company location: HQ in Shanghai and branches in Suzhou, Xi’an, Shenyang & Ningbo

Company Profile

- H VISIONS is committed to building an industrial information platform with Chinese characteristics and developing a new generation of industrial manufacturing brain based on advanced manufacturing system and independent intellectual property rights. H VISIONS integrates AI with industrial big data product to provide professional industry solutions for high-end manufacturing enterprises, promoting the intelligent development of factory management. The company has serviced quality industry enterprises covering various areas.

Products

- HiperMATIC Manufacturing Operations Management software
- HiperMATIC FMCG Suite
- HiperMATIC AUTO Suite
- HiperMATIC Discrete Manufacturing Suite

Primary User

- Personal care products, liquor and other fast-moving consumer goods industry; automotive industry
Product Introduction

- HiperMATIC is the first industrial software in China using a micro-service framework and distributed system. HiperMATIC with the functions not limited to MES system helps enterprises to realize all-round digital management on manufacturing, such as quality, equipment, production and energy management. The intelligent decision platform provided by H VISIONS with core functions of big data and artificial intelligence offers the massive algorithm models and high-performance big data engines based on industry characteristics. The artificial intelligence technology of visual recognition and data mining has been successfully applied in manufacturing scenarios, helping companies to realize the data-driven production.

User Scenarios

For one Wine Industry Group, with total assets of more than 40 billion yuan, H VISIONS offers Digital Factory Solution:
- HiperMATIC MES manufacturing execution system to achieve full digital management of the entire manufacturing process such as production, quality, equipment, materials, etc.
- Implement the LIMS system of the testing center to realize closed-loop management and paperless management of the main quality operations.
- By building workshop-level APS intelligent production scheduling, the production plan is fully automated.
- Through the integration of the MES system with production equipment and automatic control systems, the guidance and monitoring of equipment operation are realized.
- Build a quality drilling model and integrate quality data of each link to realize quality tracing.

Business Requirements

- Work with Deloitte to subcontract projects
- Sell related software licenses

Website

- http://www.h-visions.com/
Soeasy Test

Basic Information

- Industry: Intelligent Manufacturing
- Founding time: 2015
- Current scale: 30 employees
- Financing stage: Angel round
- Company location: Shanghai

Company Profile

- Team members of Soeasy Test have rich industrial experience and successful practice in the field of equipment testing, Internet of things, mobile Internet and communication application. They are familiar with the R&D, production and operation process of software, electronic and communication products, and have rich experience in enterprise management and marketing. Soeasy Test has developed many industry-leading hardware and software products, with market resources covering the whole country. The products have been widely recognized by the manufacturing industry, industrial and mining enterprise users. Soeasy Test is committed to the integration of Internet technology, mobile Internet technology, equipment diagnosis technology, equipment assets digital technology and other services for enterprise equipment management.

Products

- Soeasy Intelligent check
- Soeasy equipment management
- Soeasy remote monitoring

Primary User

- Manufacturing industry, steel industry, cement industry, petroleum and petrochemical industry
Product Introduction

- **Soeasy Intelligent check**
  - Offline monitoring of equipment

- **Soeasy remote monitoring**
  - Online monitoring of equipment
  - Equipment status database

- **Soeasy equipment management**
  - Equipment control platform
  - Equipment intelligent blackboard

User Scenarios

**Intelligent Detection and Diagnosis of Equipment in Process-based Industrial Enterprise**

- By using big data, equipment diagnosis, three-dimensional simulation, data mining and automatic analysis, Soeasy Test can collect, monitor, alarm, analyze and intelligently control the data of manufacturing process, improve the level of enterprise equipment management, and finally realize intelligent management. Soeasy Test could fully realize the centralized management of enterprise equipment asset data, equipment check data, and also realize the online monitoring of equipment measurement data, PLC (DCS) data, equipment inventory, maintenance data and other data in the production process, so as to monitor various event management processes and reduce the risk brought by information asymmetry. Soeasy Test constantly monitors and optimizes the enterprise’s equipment management processes at all levels in real-time, to achieve intelligent management and improve the quality of equipment management.

**Business Requirements**

- Join Deloitte intelligent manufacturing ecosystem to play a role in equipment status data collection and intelligent diagnosis
- Combine solutions with Deloitte services to meet the needs of equipment management in process-based industry enterprises

**Website**

- [www.soeasytest.com](http://www.soeasytest.com)
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