

Production Technology Consulting Services



Do you have any of the following problems?

“There is no one who is familiar with production technology for the start-up of a new line.”

“Workers’ proficiency in the assembly process is uneven. As a result, production is affected adversely.”

“I’d like to realize smart manufacturing. But I’m not sure where to start it.”



About Service

Our consulting services include concept planning based on the customer's future vision, identification of current issues, and implementation of on-site improvements by our production technology expert team.

Solution Proposal Processes

1. Pre-Proposal



Main Outcomes

- List of customer's needs
- Quotation & Proposal
- ... etc.

We will interview the customer about the issue, conduct a simple on-site diagnosis, and make a proposal for improvement of the client's site. We will confirm whether the project can be implemented in meetings.

2. Consulting



Main Outcomes

- Diagnosis/Concept
- Design Documents
- ... etc.

We will define KPIs to achieve on-site improvements. Our production engineering specialists will conduct a specific survey of the current situation and draw a roadmap for improvement.

Service Menu

	Planning	Design	Implementation
Production Technology	Diagnosis of the current situation (Remote) Walkthrough	Formulation of production line innovation concept	Support for FA system introduction/post-introduction
	Operation Improvement / 5S3 Regular Guidance	Production line design	Support for production line introduction / post-introduction
	Various improvement guides utilizing visualization system data	In-plant logistics/layout design	Software package provision
Business Process	Business and IT Current Diagnosis	Production management, etc. new business process design	Support for introduction of new business processes / post-introduction
	Business reform planning	Requirement definition for IT systems / Design	Support for IT system introduction/post-introduction
	Formulation of IT concept		

■ : Now on offer ■ : To be supported in the future

Case Study

1

Productivity
4% production improvement
 - Servo Motor manufacturer -

■ Servo Motor Assembly Line (Japan)

The problem was low productivity due to the varying skill levels of the workers. Our consulting service proposed the following three improvements, which led to a **4% increase in production volume**:

- Improve work instructions
- Extract tasks with large differences in skill level
- Draft and propose the ideal production line

3

5 times production capacity*
 - Decelerator manufacturer -

■ LED Display SMT Line & Assembly Line (China)

The customer's goal is to increase production from 1,000 to 5,000 units per day in three years. Our consulting service proposed the following improvements, which expect to reach 3,000 units per day in 2022 (in progress):

- Design and Introduce AGV, SCADA and MES
- Introduce automated machining & assembly line
- Introduce automated warehouses

2

Triple production capacity
 - LED Display manufacturer -

■ LED Display SMT Line & Assembly Line (China)

The customer's objective was to improve productive capacity in SMT line and assembly line. Our consulting service proposed the following improvements, which led to a **tripling of production capacity**:

- Implement data collection and visualization
- Draft ideal concept of business flow and IT system
- Propose optimal factory layout and logistics design

*To be supported in the future in India