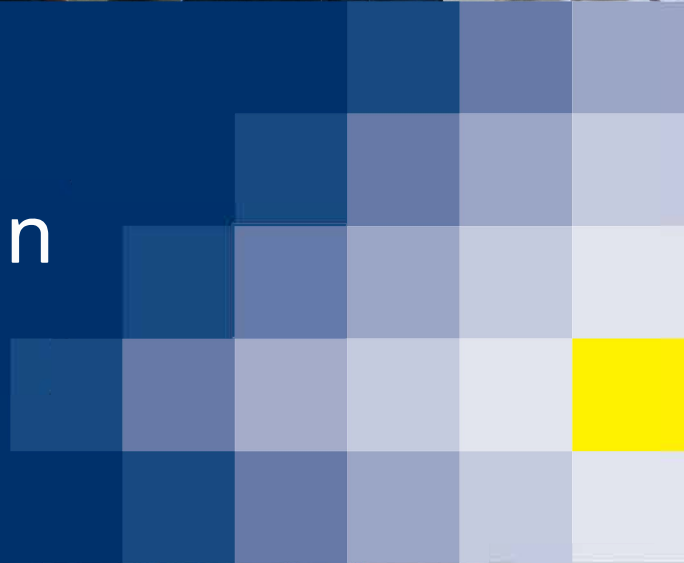




OpreX™ Profit-driven Operation

Digital Plant Operation Intelligence

Quality Stabilization System

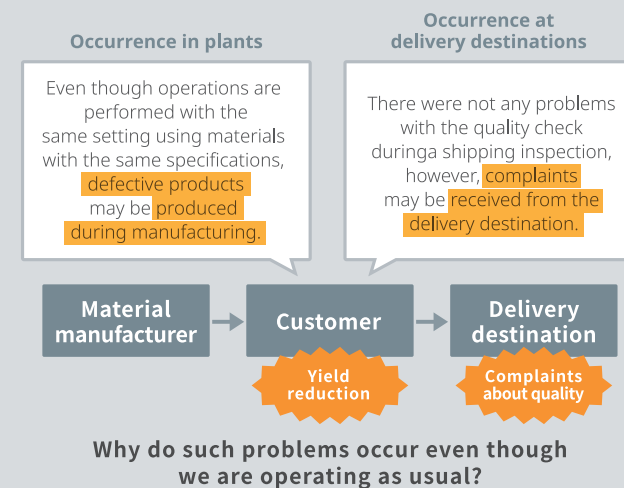


To create a flexible manufacturing system that is resistant to environmental changes

Is this happening to you?

"Manufacturing is performed according to plan as usual, however, urgent problems such as yield reduction and customers' complaints occur. This didn't happen in the past."

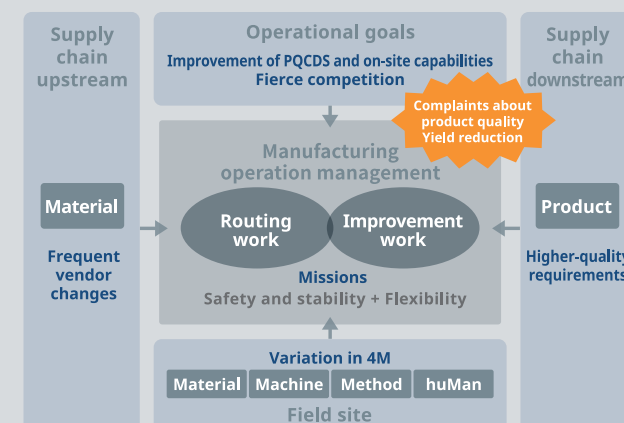
In recent years, we have heard such concerns being raised by many customers.



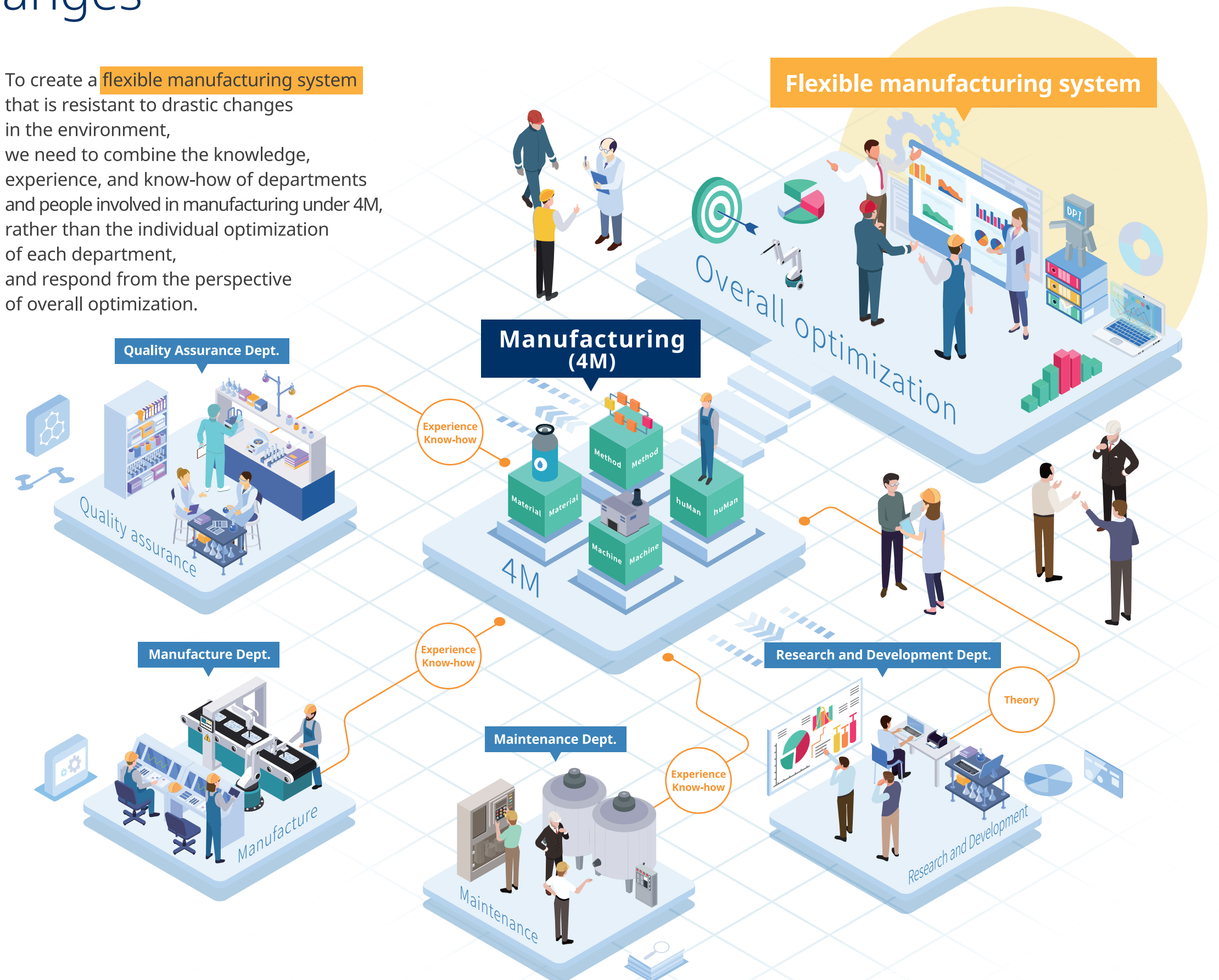
What is going on?

Many of the above problems are caused due to major changes occurring in the environment surrounding the manufacturing site.

At the manufacturing site under these circumstances, a mission to create a flexible manufacturing system that must continue to produce high-quality products even if the environment changes is desired, in addition to the mission to ensure safety and stability.



To create a flexible manufacturing system that is resistant to drastic changes in the environment, we need to combine the knowledge, experience, and know-how of departments and people involved in manufacturing under 4M, rather than the individual optimization of each department, and respond from the perspective of overall optimization.



Core solution for realization, Digital Plant operation Intelligence (DPI)

Yokogawa's **KAIZEN solution*1** to create a flexible manufacturing system

In a rapidly changing manufacturing environment, accelerating the decision-making process is the most important strategy to ensure survival. Its core solution, the **Quality Stabilization System 'Digital Plant Operation Intelligence (DPI)'**, offers efficiency and streamlining of routing work and improvement work **centered on huMan**.

Systematization that values the current method at the site

Technology transfer

KAIZEN

KAIZEN Solution

Improvement work

DPI Quality Stabilization Evaluation Tool

Quick decision-making process from hypothesis planning and verification of issues to identification of causes



Team leader, manufacturing staff

Efficiency Acceleration

Routing work

DPI Quality Stabilization Evaluation System

Accelerate the process from detection of abnormalities or changes to planning and execution of countermeasures



Operator



★ 1: Contracted name of Yokogawa's OODA loop to create a flexible manufacturing system.

The OODA loop is a loop of observation (Observe) - orientation to the situation (Orient) - decision-making (Decide) - action (Act), which is one of the decision-making methods.

In order to create a flexible manufacturing system, it is necessary to improve the awareness and operations of everyone involved in manufacturing in addition to systematization.

Yokogawa also provides a range of solutions such as education and consulting to support these.

DPI Solution



DPI Consulting



OpreX™

Yokogawa achieves operational excellence by providing products, services, and solutions based on the OpreX comprehensive brand that cover everything from business management to operations.

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