Hirata FE Hirata Field Engineering Co., Ltd.
The Global Production Engineering Company

参考出展

After Service "Trouble-free Non-stop Factory Customer Assurance" is our mission.

Predictive maintenance Remote Support

Early detection and prevention of troubles through the "visualization" of equipment

The predictive maintenance system, which can be retrofitted to the equipment and the cloud-based remote service enable the system to monitor the operating status 24 hours a day, 365 days a year. This contributes to the early detection and prevention of any potential problems.

◆ Features

When troubles occur in the equipment, it may take time to recover due to the need to investigation the cause and the subsequent implementation of countermeasures. This results in unplanned downtime. The *predictive maintenance remote support system* detects signs before troubles occur. This enables planned maintenance and support for stable equipment operation.

◆ Introduction Merit

1. Easy installation

No additional work is required. The system can be easily retrofitted to existing equipment. Installation costs can be reduced and equipment operating status can be quickly monitored.

2. Stable facility operation

Real-time monitoring of equipment operation enables early detection and prevention of sudden troubles and stable equipment operation.

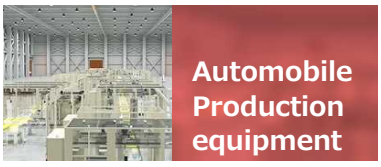
3. Quick troubleshooting

When troubles occur, quick notification and remote status diagnostics enable early resolution and reduce both downtime and the troubleshooting time.

4. Reduction of personalized

With the introduction of the predictive maintenance system, all information on facilities and equipment is converted into data and numerical values. By accumulating and verifying this information, maintenance decisions can be made by anyone. It also reduces the cost of education.

◆ Supportable equipment



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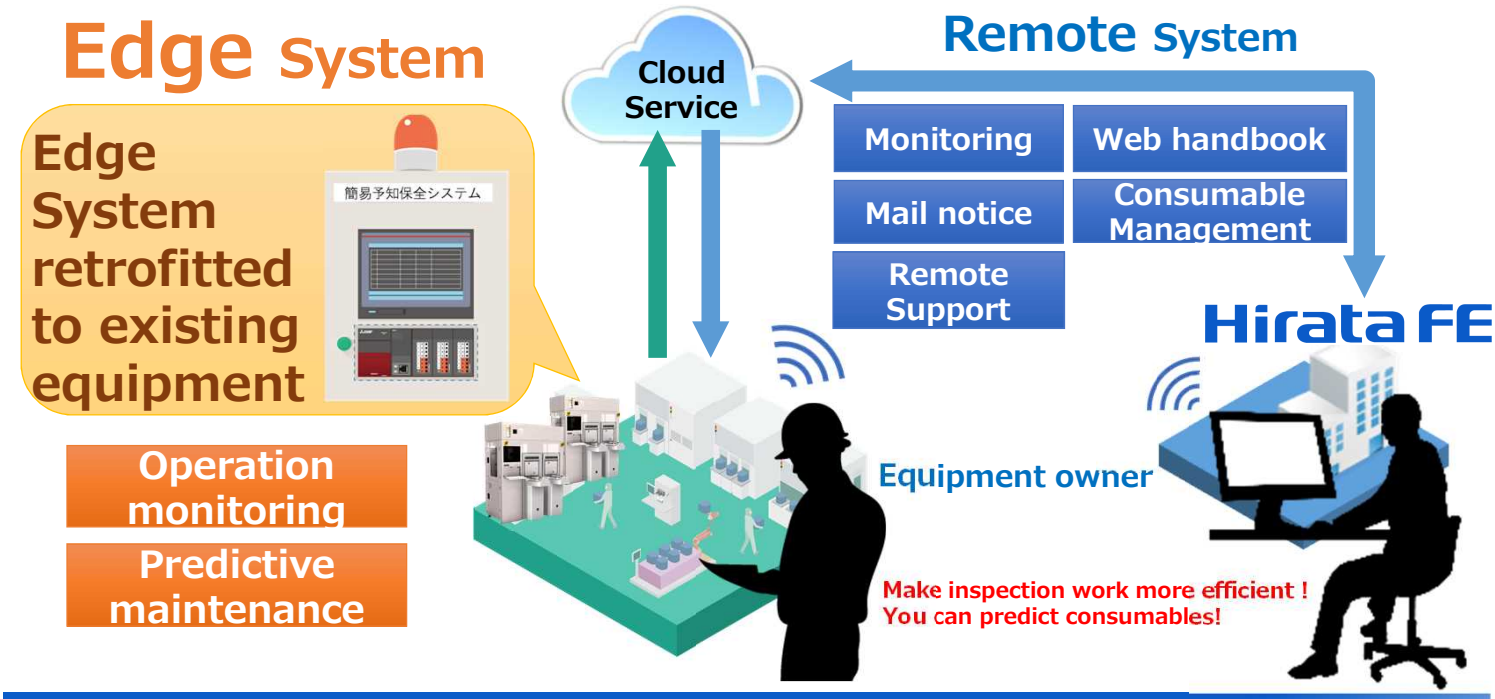
◆ System organization

The cloud-based remote maintenance service monitors the status of customer's equipment. Customers can operate the equipment with assurance to prevent sudden equipment troubles with predictive maintenance and alarm analysis performed.



◆ Function overview

Edge System

Edge system can be easily retrofitted to existing equipment

Operation monitoring

Dashboard screen shows the status of equipment and alarm.

※The camera images and records are optional.

Predictive maintenance

The system constantly monitors troubles in the equipment by analyzing vibration sensor and other data. Alarm appears on the screen in troubles.

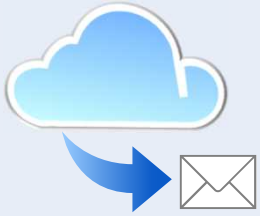
Remote System

In addition to Edge System, Remote system with Remote monitoring and notification functions

Remote connection

Equipment operation and consumables status can be checked on the cloud screen. HirataFE connects remotely to determine the cause of the problems and provide restoration support.

Mail notification



When alarm is detected, information on equipment maintenance and parts replacements is sent by e-mail.

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