

Reliable and automated batch operations with digital navigator

Standardize detailed work procedures to reduce on-site errors and waste

AR navigation standardizes manual operations and streamlines reporting—greatly easing on-site workload



This solution transforms manual and operator-dependent batch processes into smart, reliable operations :

- With AR navigation, anyone can replicate the work of a skilled operator
- Eliminate handwritten records and paper forms to significantly improve data reliability and traceability
- Leverage existing systems to drive digital transformation while minimizing the burden on frontline operations

Challenges

In manual work environments, operations tend to become overly dependent on individual expertise

Inconsistent work procedures

- Procedures and decision-making processes may vary depending on the individual responsible for the task
- Insufficient Standard Operating Procedures (SOPs) may lead to inconsistencies in understanding and execution, resulting in variations in quality and safety



Time-consuming reporting tasks

- Paper-based recordkeeping carries a higher risk of errors and data loss
- Manual data aggregation requires substantial time and effort



Solutions

Lighten field workload through task standardization and report automation

■ SOPs creation

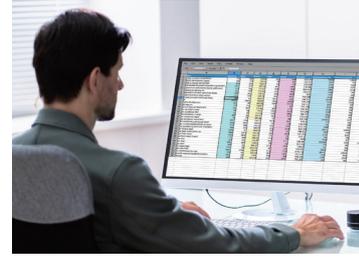
- Easily create SOPs without programming knowledge using an educational programming tool
- Easily adapt to frequent procedure changes

■ AR navigation

- Anyone can perform tasks with consistent quality through standardized workflows
- Helps minimize operational errors

■ Automated batch report generation

- Eliminate manual recordkeeping to prevent input errors
- Quickly aggregate data and generate reports
- Integrate seamlessly with existing spreadsheet software



Benefits

From manual work to smart, reliable operations

■ Consistent quality

- Deliver consistent quality regardless of operator skill or experience
- Prevent operational errors with AR-guided navigation
- Ease training and handover workload while promoting overall workforce upskilling

■ Reliable data

- Digital records ensure data reliability and traceability
- Keep the risk of recording errors and data loss to a minimum

■ Smooth adoption of manufacturing automation

- Seamless implementation using your current systems
- Phased implementation enables cost-effective automation and digital transformation



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Integrated Solutions

Yokogawa helps to address customer challenges by providing integrated solutions that make use of products, services, and expertise in specific fields.

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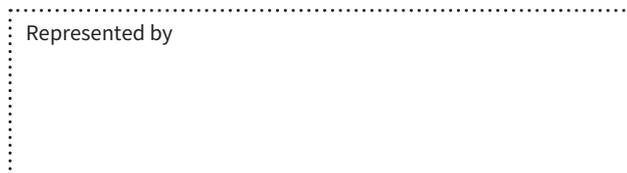
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