# TAGERAIN IC Itonomous Operations

automation, industrial autonomy adds layers of smart sensing and machine cognition to anticipate and adapt to unforeseen circumstances, removing the need for human intervention. Yokogawa Electric Corporation, a leading provider of Industrial Automation and Test and Measurement solutions, is championing the ongoing transition from industrial automation to industrial autonomy (IA2IA). Learn how your company can embark on the journey toward a fully autonomous future.

A new era of automation is upon us: industrial autonomy. Moving beyond

## **Benefits of Autonomous Operations**





**Improves** 



**Worker Safety** 



**Product Quality** 





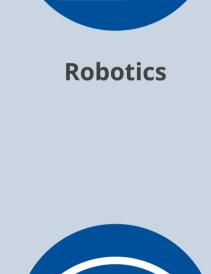
## **Needs IA2IA Stages Benefits**

Journey to Autonomous Operations

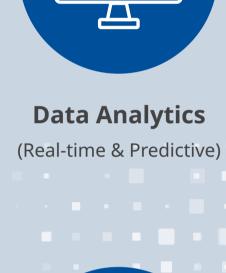
| across the industry   | Symbiotic autonomy       | business (no barriers)                             |
|---|--------------------------|--|
| Integrating ecosystems across multiple companies                    | Autonomous operations    | Optimization of the value chain                    |
| Integrating different domains and functions                         | Autonomous orchestration | Capturing of new<br>business opportunities         |
| Breaking down silos to share information and increase profitability | Semi-autonomous          | Improved collaboration and optimized production    |
| Leveraging data for real-time decisions to improve efficiency       | Automated                | Increased productivity and safety                  |
| Improving safety, efficiency, and availability                      | Semi-automated           | Achievement of safer and more efficient operations |

**Core Technologies That Enable Autonomous Operations** 















**5G Smart Sensors** 



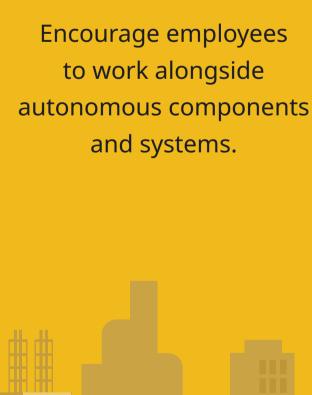


FOR EXISTING FACILITIES AND OPERATIONS

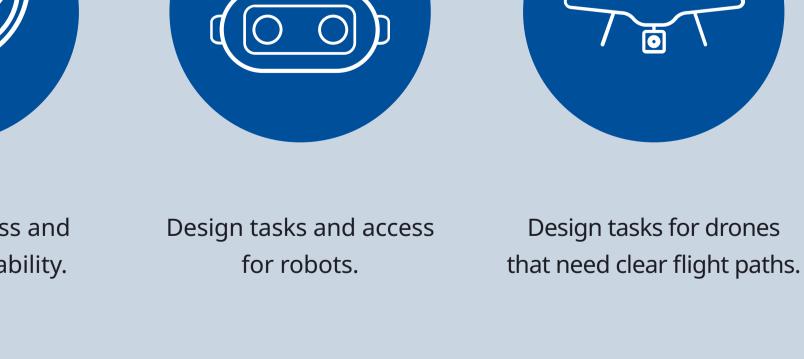




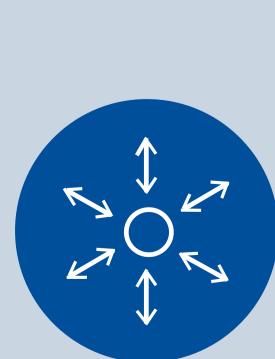








FOR NEW FACILITIES AND OPERATIONS



Design tasks for drones

Design remote integrated operation centers with greater collaboration





and equipment prone

to failure.



To Learn More, or Get Started