

Industrial automation digital maturity model

Use this model to identify where you are and talk to our industrial experts about the next step.



	Stage 1 Connected	Stage 2 Integrated	Stage 3 Intelligent	Stage 4 Autonomous
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Capability

	<ul style="list-style-type: none"> Machinery and Fleets securely connected and visible IoT environmental and people safety monitoring Remote sensor management Operational data collection OT condition monitoring 	<ul style="list-style-type: none"> Control of machinery and vehicles Process orchestration for end-to-end efficiencies Supervisory SCADA systems Data literacy and aggregation for reporting and compliance 	<ul style="list-style-type: none"> Online, actionable decision prompts for management and maintenance AI and Machine Learning Subject matter experts interpreting operational data 	<ul style="list-style-type: none"> Fully automated Sense and manipulate activities in response to external events Tracking materials, products and workflows for supply chain improvements Fully integrated Process Control Systems with automated analytical feedback
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Intelligence

	<ul style="list-style-type: none"> Reactive Operational data informs plans & priorities Planned maintenance operations 	<ul style="list-style-type: none"> Proactive Sensor data securely integrated into applications delivering oversight and alerting Process analytics informing operational improvements 	<ul style="list-style-type: none"> Predictive Improvement and optimisation modelling Advanced process control techniques 	<ul style="list-style-type: none"> Adaptive Operational performance self-optimises in real time
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Technology

	<ul style="list-style-type: none"> Secure 5G/Private 5G Secure industrial communication networks Secure connected IoT sensors Robust, supportable OT network infrastructure 	<ul style="list-style-type: none"> Edge Compute and data Integrate OT systems, switchboards, motor control centres, control panels, business systems etc. Cyber security for OT & IT Operational data platforms and tools 	<ul style="list-style-type: none"> Data is aggregated and integrated with company systems – ERP, CRM etc. Integrated analytics Digital twins for modelling Process performance software 	<ul style="list-style-type: none"> Data flows to automation systems for end-to-end automation and control AI and Machine Learning optimisation Digital twins for testing and operational improvements
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Assurance

Trusted secure data