

Category

Digital Transformation

Robotics, Automation & Smart Facilities Digital Transformation Playbook

Getting physical automation and digital systems to actually talk to each other

- Practitioner
- Advanced
- Template Included

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Overview

A framework for smart facilities and robotics transformation that genuinely integrates physical automation (robotics, building systems, equipment) with digital operations and data infrastructure, avoiding the common failure mode of physical automation deployed as an isolated island disconnected from broader digital decision-making.

We've deployed robotics and automated equipment already — why does

this feel disconnected from our broader digital transformation? This is a common pattern — physical automation is often procured and deployed by facilities or operations teams somewhat separately from digital transformation and data infrastructure initiatives, producing genuinely capable automation that nonetheless operates as an isolated island rather than an integrated part of digital operations.

What does genuine integration actually look like beyond having both

robotics and digital systems? Physical automation systems feeding real operational data into the same data infrastructure used for broader digital decision-making, and digital systems able to inform or trigger physical automation actions — a genuine two-way connection, not just parallel coexistence.

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that nonetheless operates as an isolated\ nisland rather than an integrated part of digital operations." } }, { "@type": "Question", "name": "What does genuine integration actually look like beyond having both", "acceptedAnswer": { "@type": "Answer", "text": "robotics and digital systems?\nPhysical automation systems feeding real operational data into the same\ndata infrastructure used for broader digital decision-making, and\ndigital systems able to inform or trigger physical automation actions —\na genuine two-way connection, not just parallel coexistence." } }] }

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