Category

Digital Transformation

Smart Manufacturing & Industrial IoT Transformation Playbook

Connecting the factory floor to real decisions, not just to a dashboard nobody acts on

- Practitioner
- Advanced
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- 17 October 2018
- 3 minute(s)

Overview

A framework for smart manufacturing and industrial IoT transformation that connects factory-floor sensor and equipment data to genuine operational decision-making, avoiding the common failure mode of extensive instrumentation producing dashboards that don't actually change how operations run.

We've already instrumented much of our factory floor with sensors —

why hasn't it changed operations much? This is the most common failure mode in industrial IoT — instrumentation without a clear decision-action loop produces data and dashboards, but doesn't change behavior unless specific decisions are redesigned around the new data availability.

Where should smart manufacturing investment start?

With a specific, high-value operational decision currently made with incomplete information (unplanned downtime response, quality issue root-causing), not with comprehensive instrumentation for its own sake.

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