EcoStruxure Plant Lean Management

Leveraging AVEVA Data Hub and Schneider Electric EcoStruxure Plant Lean Management for significant supply chain productivity and sustainability gains

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“Approximately 51% of business leaders claimed that investigating and utilizing data is a top business priority. [...] Data does not add value unless it is integrated and contextualized.”

“...need to move away from making critical decisions within traditional silos to a culture of collaboration and connectivity among various data islands.”

“Less than 5% of plant data is converted into actionable insights”
Moving From IoT Platforms to IoT-Enabled Applications

Focus on:

- The business value of concrete IIoT applications than on general IIoT capabilities
- Quicker Return on Investment and quicker Time to Market
- Domain expertise is key to success

Shift of interest from IoT Platform capabilities to Business Applications

Enterprise Cloud

IoT Platforms

IoT Gateways

IoT Endpoints

Technical Outcomes

Business Outcomes

Center of Value
Leveraging Schneider Electric’s 20 years expertise in lean manufacturing

- 6 Lighthouse Factories
- #1 Gartner 2023 Supply Chain Rankings
- #1 Corporate Knights World’s most sustainable corporation 2023
- 200 Factories
- 100 Distribution Centers
- 400+ Supply Chain and Industrial Experts

Locations:
- Lexington, USA
- Le Vaudreuil, France
- Monterrey, Mexico
- Batam, Indonesia
- Wuhan, China
- Wuxi, China
Why Lean culture & Short Interval Management (SIM) are important

WITHOUT a strong Lean culture & SIM

- Late discovery of divergence
- Key players missing, data inputs missing, current situation unclear
- Emergency correction

With short & regular meetings:
- Systematic attendance of key players
- Management rules
- Analysis of the causes of divergence
- Action plan and progress tracking
- Collaborative work

OBJECTIVE
- Objective partially met

WITH Lean methodology & SIM

- Initial situation
- Meetings scheduled at short & regular intervals
- Systematic attendance of key players
- Objective achieved

- Collaborative work
- Action plan and progress tracking
- Analysis of the causes of divergence
- Management rules

OBJECTIVE
- Objective achieved
Introducing EcoStruxure Plant Lean Management
Digitizing and optimizing the lean manufacturing SIM meetings

A user-friendly collaborative interface that **digitizes and optimizes the lean manufacturing SIM meeting cycles** across one to several hundreds of sites.

It **empowers** all workers from shop floor to top-floor and enables much **faster issue escalation**, **decision-making** and issue resolution.
Driving industrial excellence with EcoStruxure Plant Lean Management

Enable Lean Manufacturing

Increases plant’s performance by up to 5% and significantly improves overall safety

Improve Operational Efficiency

Empowers thousands of users, to make smarter decisions and solve problems faster

Increase people empowerment

Accelerate Digital Transformation

Accelerates the IIoT solutions deployment and maximizes ROI with a pre-packaged solution

Allow significant time savings during shift handover activities and facilitate collaboration

Increases plant's performance by up to 5% and significantly improves overall safety

Empowers thousands of users, to make smarter decisions and solve problems faster

Accelerates the IIoT solutions deployment and maximizes ROI with a pre-packaged solution
Metrics and testimony

Benefits

- 200+ sites using the solution in less than 18 months
- 70,000 engaged users in 200 plants
- 4-5% average increase in overall manufacturing site productivity
- 25% reduction for data collection activities
- x3 3 times faster issue resolution

“EcoStruxure Plant Lean Management is used daily by 100% of our employees, operators, and team leaders. It is at the center of our daily performance meetings and enables us to improve our site performance by 4 to 5%.”

Plant Manager

“It impacts positively employee's motivation. And helps us to achieve goal of 7% every year productivity improvement, and above all, it accelerates our ability to identify the issues and decide the actions.”

Smart Factory Project Leader
EcoStruxure Plant Lean Management represents our expertise in Lean Manufacturing.

Schneider Electric’s expertise extends across a range of domains, all with IIoT applications that drive substantial business benefits.
Connect your current IT/OT landscape and your data sources

- Cloud Solutions
- ERP
- PLM
- CMMS
- MES "core"
- Scada, Historian
- PLC
- Sensors, Actuators

Addressing multiple use-cases with pre-packaged applications

- Lean Management
- Predictive Energy
- Predictive Quality
- Multi-sites OEE
- Predictive Maintenance

Expected Outcomes

- Asset Efficiency
- Product & Process Optimization
- People Efficiency
- Sustainability

Segment-specific and cross-domain IoT apps on top of AVEVA technology
A unique combination of energy management, industry automation and software capabilities to support customers through their Smart & Sustainable transformation.

Global networks of +400 experts across the 4 consulting practices (Operational Efficiency & Production, Asset Performance, Energy Management & Sustainability, Infrastructure & Cybersecurity).

A proven approach to Smart & Sustainable transformation, implemented internally and tested on customers across industries.

From strategy to implementation: Strong integration capabilities both internally and with our network of partners and system integrators.
The best of Industrial and Software leadership to support you

**Industrial leadership**

Schneider Electric extensive industry needs and application knowledge to meet your requirements

**Software leadership**

Leveraging AVEVA industrial software expertise with installed base in 90% of leading industrial companies

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Accelerate IIoT solutions deployment and maximize ROI

#TimeToMarket

Leverage cross domains data contextualization & analytics

#OptimizedOperations

Get maintenance free tools using Schneider Electric technology

#ReducedOperatingCosts

Scale IIOT initiatives by harmonizing solutions across a single platform

#SimplifiedGovernance&Scale
Thank you, Questions?

Carlos Javaroni
VP Industrial IoT Solutions
Schneider Electric, Boston, USA
Welcome to our Schneider Electric booth at the Partner Expo

Scan the QR code to get the Digital innovation for multi-site plant process optimization brochure

Book a demo or a meeting on the AVEVA World App*

Emmanuel Fourrey or “Schneider Electric”

*From the Mobile app home page or the top navigation bar you can access the Speaker and Attendee lists.