



Empowered workforce

Be guided in complex operations

Life Is On

Schneider
Electric

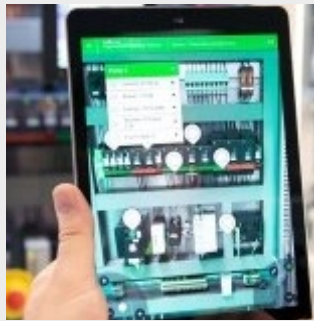
Take teams efficiency to the next level



Acquire knowledge & experience

Train users with eLearning, training simulators or Virtual Reality to minimize risk and improve efficiency

Optimized
training costs



Be guided in complex operations

Guide users on complex tasks realization using Augmented Reality

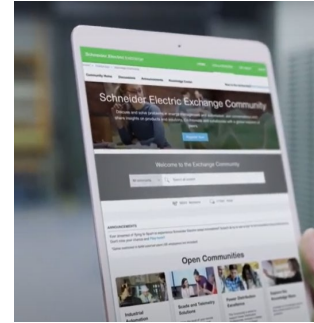
Improved **operator safety** & polyvalence



Provide mobility to workers

Bring remote and cybersafe decision support solutions to improve workforce productivity

Secure remote access



Share best practices & know-how

Break silos between your organization by allowing knowledge sharing and collaboration

18% increase in worker productivity



Plan best teams to meet demand

Manage your staff in an efficient way, taking into account their qualifications and constraints

70% time saving on schedule's development

Be guided in complex operations

Guide users on complex tasks realization using Augmented Reality and workflow



[Learn more](#)

Speed up maintenance

- Instant diagnosis and contactless maintenance to reduce downtime through real-time process monitoring and visibility at shop floor. Reduction of human errors by guiding operators step-by-step to complete maintenance procedures.

Secure your operations faster

- Provide a digital companion with relevant information to support maintenance team to make appropriate decisions, operate safely through step-by step procedure path in an efficient manner and grow workers skills and installation understanding.

Digitize your work tasks

- Digital framework to model, execute, monitor and analyse industrial work processes and standard operating procedures to achieve higher levels of work efficiency and productivity, and to reduce noncompliance risks and human error.

Augmented Reality Solutions

Guide users on complex tasks realization using Augmented Reality

The solution

Industrial Augmented reality for **instant diagnosis** and **contactless maintenance** in food and beverage manufacturing

EcoStruxure Augmented Operator Advisor puts **real-time information** at your fingertips, whenever and wherever it is needed.

The custom application improves operational efficiency with augmented reality — enabling operators to **superimpose the current data and virtual objects** onto a cabinet, machine, or plant.

Thanks to Microsoft Dynamics 365 remote assist, the app enables video calls for fast Augmented Reality annotations, making even easier the possibility to share and fix any problem.

[Watch Remote Expert demo](#)



[Watch the video](#)

[Learn more](#)



“At present, 50% of time spent on maintenance involves finding information, with the remaining 50% devoted to actual intervention on the equipment”

Augmented Reality Solutions

Guide users on complex tasks realization using Augmented Reality

Business value

Real-time visibility of shop floor

Reduce downtime

- Open electrical cabinet doors virtually and explore its insides.
- Avoid unnecessary and costly downtime with the ability of real time process monitoring and maintenance need.

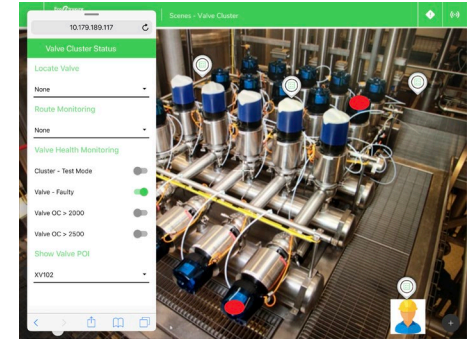
Speed up operations and maintenance

- Find any information faster with immediate access to real-time data, user manuals, instructions, and diagrams.
- Instant diagnosis and contactless maintenance for increased efficiency and lower costs

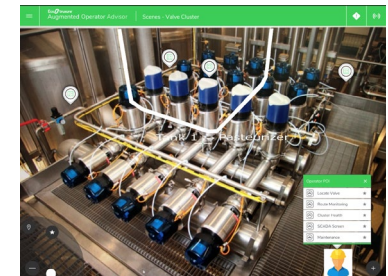
Reduce human errors

- Locate the right equipment and guide operators step-by-step to complete maintenance procedures.

Real time Process information



New Operator Training



Energy efficient, cybersecure and compliant sugar plant

Sugar manufacturer, India



Customer Challenge

- Build energy efficient, cybersecure and compliant plant
- Crushing season is due in Sept and hence the new system needs to be up & running in 6 weeks
- Optimizing asset management with a complete solution

The Solution

- EcoStruxure plant incl. Modicon M580 PLC Level-4 HSBY with EcoStruxure Process Expert (former Hybrid DCS)
- EcoStruxure Asset Advisor for predictive maintenance
- EcoStruxure Augmented Operator Advisor to reduce downtime, speed up operation and maintenance to avoid human error.
- Motor Management Solution (MMS) with earth fault to avoid fire hazard

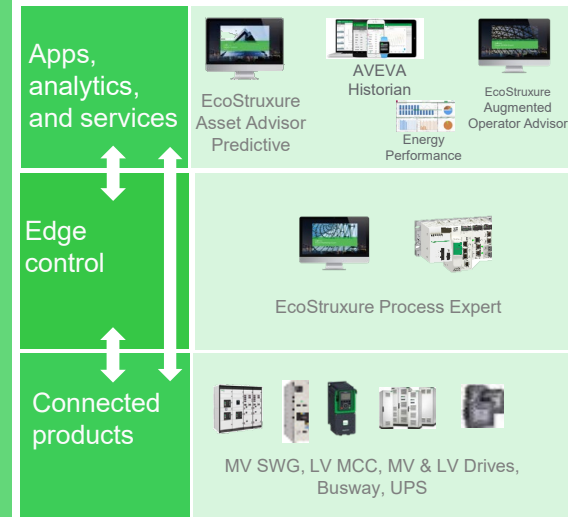
Customer Benefits

- Tailored and IoT-enabled solution
- Scalable & flexible EcoStruxure architecture, including software, that can accommodate future expansion
- Advanced digital technologies enabling transparency, security, reliability, and regulatory compliance
- Standardization of the solution proposed.

The Results: Life is On with... Future ready Power Solutions

Sugar player in India
2500 Tons of Cane per Day (TCD)
Processing Plant with 15MW Co-generation capability

EcoStruxure for Food & Beverage
Innovation At Every Level



Customer Challenges

- Embark on their first digital transformation journey
- Secure company's long-term future and offer more attractive jobs
- Need for helpful and sensible technology

The Solution

- EcoStruxure Augmented Operator Advisor

Customer Benefits

- Visualization of production data on mobile devices
- Each application is customized to the specific environment and machine to suit customer's needs
- Ability to provide customized information to every user based on their needs

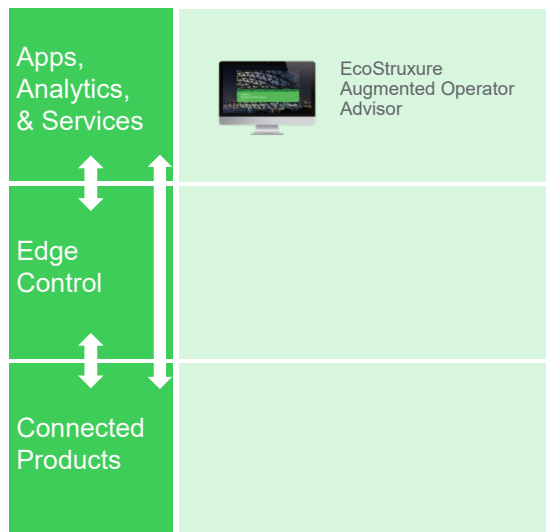
Results: Life Is On with...

- Speed of resulting information displayed is greater than that provided by earlier solutions such as routing strips or electronic records
- High interactivity allows users to access real-time system data as needed

[Video link](#)

Global market leader in the supply of technology to the grain processing industry

EcoStruxure™ for Machinery



Berto Coffee Roaster

Better productivity through visibility



Customer Challenges

- Strengthen competitive edge in growing market
- Leverage the IIoT to improve machine productivity, reducing downtime & maintenance
- Add business value for export market

Solutions

Complete EcoStruxure Machine solution, including digital services, that fully automates and digitizes coffee roasting machines to increase production output, quality, & consistency

Customer Benefits

- Machine productivity increased through remote monitoring in real time
- Downtime reduced with real-time data on machine status
- Maintenance time reduced by up to 50%
- Increased profitability by selling complete solution, bundling software, apps & services
- Potential ROI: 173%

The Results: Life Is On with...

50% less maintenance time & potential ROI of **173%**

"We trust Schneider Electric as our partner because of their expertise and integrated EcoStruxure solutions that help us leverage the latest IIoT technologies."

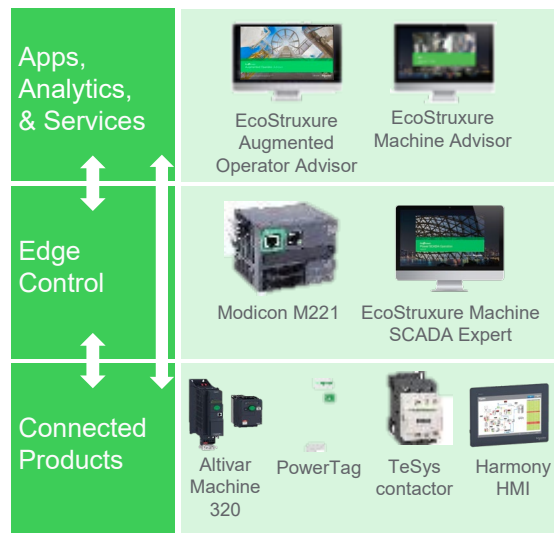
Marcel Patilaya

General Manager, Berto Coffee Roaster

[HTML link](#)
[Video link](#)

Indonesian machine builder produces **high-quality** coffee roasting machines for fast **growing** export market

EcoStruxure™ for Machinery



Life Is On

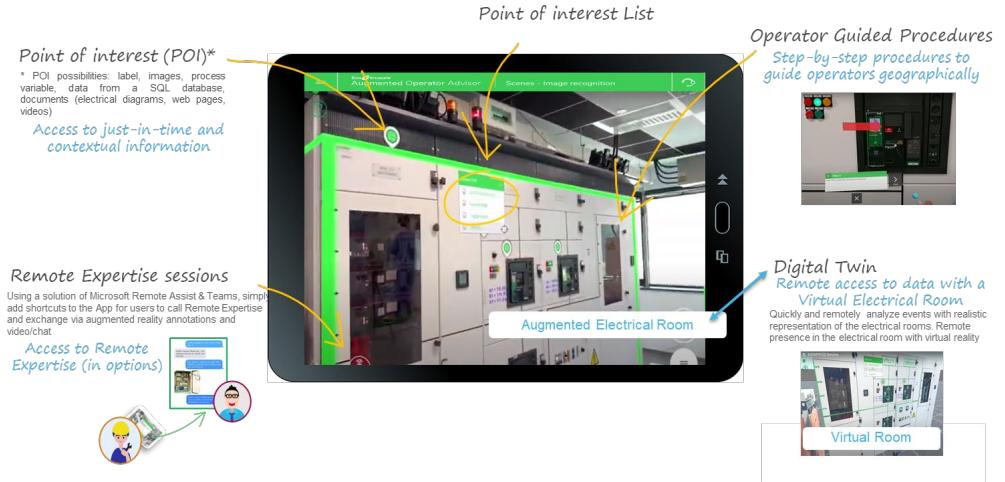
Schneider Electric

EcoStruxure™ Augmented Operator Advisor 3D

Digital approach for teams to secure their operation faster

The solution

- Daily **digital companion** supporting maintenance team to make appropriate decisions and operate in the right way and in an efficient manner.
- Get access to **accurate documentation in real-time** and see step-by-step procedure path.
- Provide the **appropriate information to secure workers**, ensure safe operations safe and grow workers skills and installation understanding.



Watch the video

EcoStruxure™ Augmented Operator Advisor 3D

Digital approach for teams to secure their operation faster

Business value

Improve electrical safety & increase power reliability

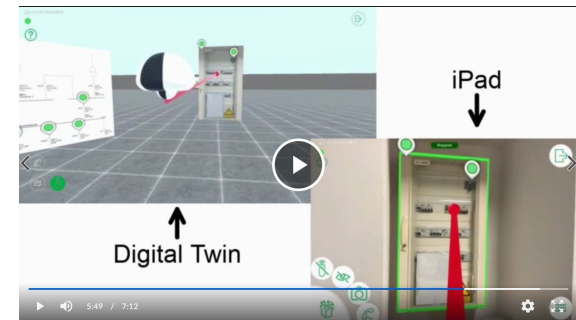
- Reduce human errors during maintenance and operation
- Make live data available exactly where and when operators need it

Increase operator efficiency

- Save time to access to relevant information
- Easier document Management

Improve operator's polyvalence

- Facilitate and fasten On-Boarding Process
- Ease the first access to a new site
- Access Tailor-Made & Immersive Training

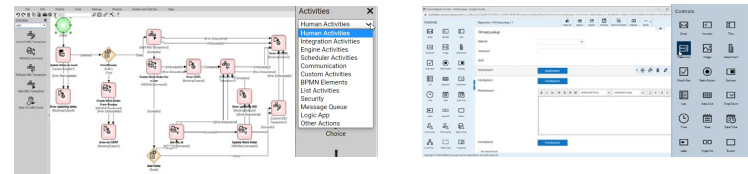


Advanced work tasks management for the digital transformation of standard operating procedures

The solution

Digital framework to model, execute, monitor and analyse **industrial work processes and standard operating procedures** to achieve higher levels of work efficiency and productivity, and to reduce noncompliance risks and human error for:

- **Replacing inefficient Paperwork** with a digital user experience and workflow automation
- **Empowering Workers** to execute work and data collection tasks more efficient, collaborative and secure
- **Connecting Workers** with orchestrated access to assigned tasks and related context information
- **Reducing noncompliance Risks** and human error through procedural enforcement, data entry validation for triggering corrective actions and with a full audit trail
- **Continuously Improving** processes and procedures with notifications and visibility into work execution issues and performance KPI's



Learn more

AVEVA Work Tasks

Advanced workflow management for industrial work processes and standard operating procedures

Business value

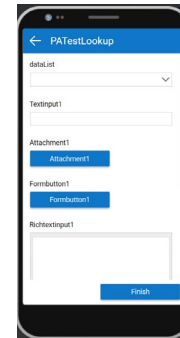
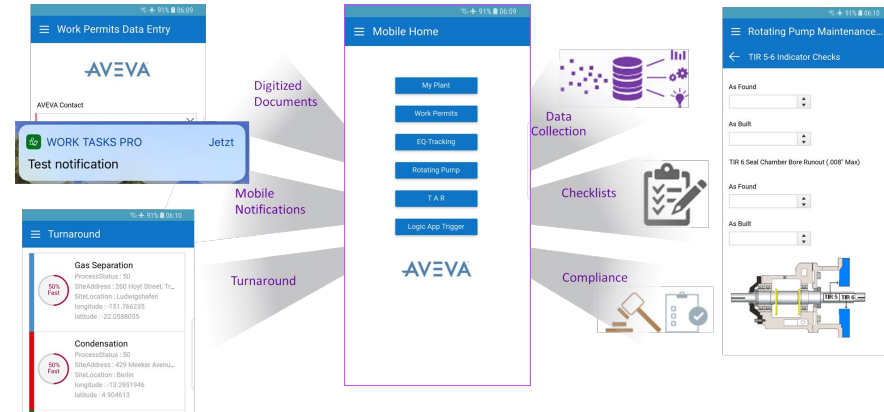
- Improved **operational efficiency**: effective digitization of all procedures, enforcement of standard operational procedures (SOPs) and ensure they can be maintained
- **Increased productivity**: digital collaboration of functional teams and related systems.
- **Improved information** views with electronic forms to mitigate risks associated with manual processes, capture of the knowledge of an ageing workforce

40% Process efficiency improvement

50% Increased compliance to mandate

30% Cost reduction

100% Paperless



AVEVA Work Tasks Pro, a native Mobile device App available for iOS, Android and Windows

Watch the demo

Life Is On

Schneider Electric



Customer Challenge

- Complement the company's ERP system with full product genealogy (track & trace), rules of quality control procedures and for managing the shelf life of received materials
- Increase workforce efficiency through mobile solutions for material receiving, labelling and material consumption
- Food Safety Modernisation Act (FSMA) track & trace requirements/state & federal regulations
- Paper records used for product genealogy and risk of human error
- Difficulties to promote best practices and maintain consistency between plants

The Solution

Replacement of home-grown and separate systems with a Manufacturing Execution System (MES) for material receiving, labelling and for logging all material consumption and production on the shop floor in real-time.

- AVEVA Manufacturing Execution System*
- AVEVA Workflow Management

Customer Benefits

- Food Safety Modernization Act (FSMA) support
- Increased reporting and inventory management accuracy
- Electronic workflows enforce the standard procedures for quality checks and facilitates the use of mobile devices on the shop floor
- Efficient withdrawals of items in minutes thanks to lot number traceability and genealogy for ingredients.
- Improved quality and inventory management

Life is On with... Genealogy tracking/material traceability down from 2.5 hours to 10 minutes

[Link to Video](#)

[Link to on-demand Webinar](#)

Chain of retail convenience stores founded in 1965. More than 500 locations in USA.

EcoTruxure[™] for Food & Beverage
Innovation At Every Level

Apps,
analytics,
and services

AVEVA

AVEVA Manufacturing Execution System*
AVEVA Work Tasks

Edge control

Connected products

*The Schneider Electric industrial software business and AVEVA have merged to trade as AVEVA Group plc, a UK listed company. The Schneider Electric and Life is On trademarks are owned by Schneider Electric and are being licensed to AVEVA by Schneider Electric.



Let's talk about
EcoEtruxure™
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