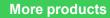
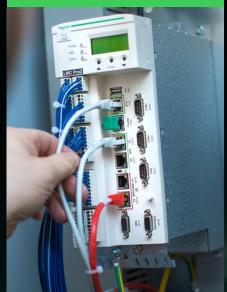






Four development pillars





More services



More digital solutions



Better systems





Digital transformation brings greater operational efficiency





Smart Maintenance

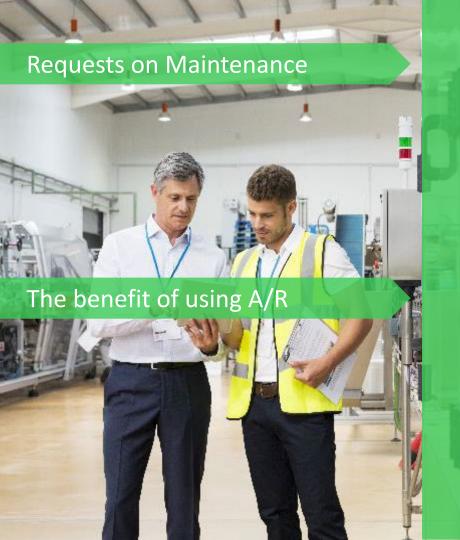


The time spent on a maintenance operation in the industry is frequently divided as follows:

50% Finding documentation 50%.

Fault resolution

Augmented Reality allows to optimize both normal and extraordinary routine operations, making them safer and more effective





Reduced machine downtime



Optimization of average maintenance time



Decreased search time failure



Guided and facilitated intervention

Different examples of use of Augmented reality



In front of a machine or a production line

Immediate access, in real time, to relevant information in the field for operations and maintenance: machine history, variables of process, documents (products, installations, instructions, electrical diagrams, etc.)



In front of an electrical cabinet or an hidden part of a Machine

Fast diagnosis without lockout or electrical qualifications, through the virtual doors opening the cabinet: device status, variable values (current, power, speed, etc.), documents (products, installations, manuals, electric diagrams, etc.)



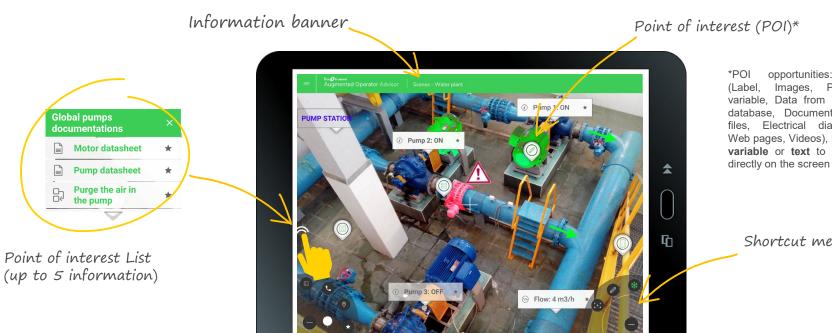
For an overall view

Simultaneous view of reality and data. Safe and quick detection of anomalies (alarm display, significant process variables) and access to KPIs (display parameters and key information, production progress, performance indicators, etc.)



EcoStruxure Augmented Operator Advisor

The Schneider Electric answer



opportunities: (Label, Images, Process variable, Data from a SQL database, Documents: pdf files, Electrical diagrams, Web pages, Videos), image, variable or text to display

Shortcut menu











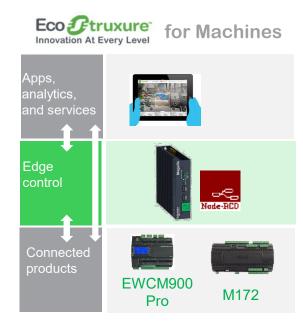








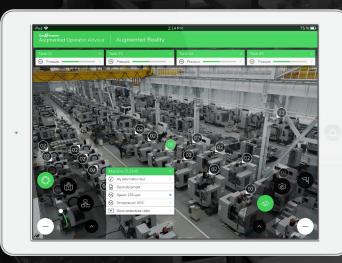
Compressor rack







EcoStruxure Augmented Operator Advisor



50% increase in speed

40% energy efficiency

"For more than 10 years, Schneider Electric's integrated servo drives have been the foundation of our modular system and engineering concept."

Manfred Bonetsmüller, CEO, SOMIC Verpackungsmaschinen, Amerang

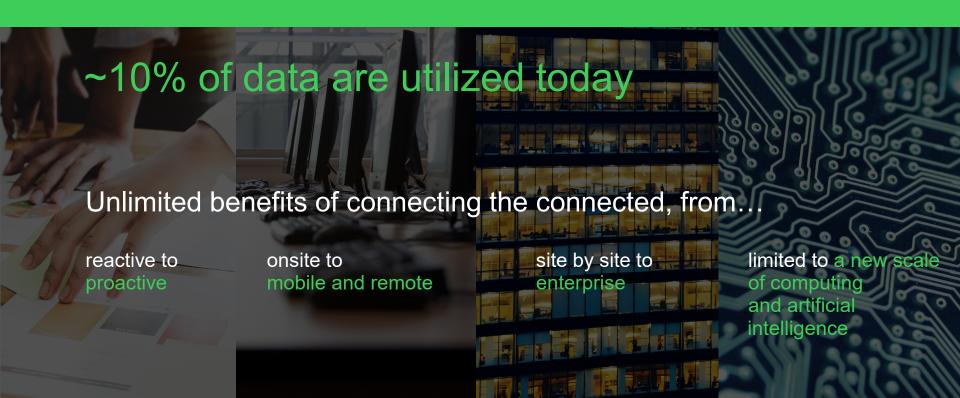


Smart services

The four main drivers of digitization in industry



IoT is more accessible than we think



Benefits of Connected assets and Smart Services

Benefits for OEM

Anytime, anywhere, and unique access to all machine data

Improved customer satisfaction through better and faster service

Differentiation by offering new services and platform with my machines

Higher machine availability thanks to analytics

Benefits for End User

Faster service, reduced machine downtimes and improved performance

Better tracing of operations and activities performed on their machine

One click Access to documentation, important data and support experts

Planned maintenance operations and improved maintenance quality



EcoStruxure Machine Advisor

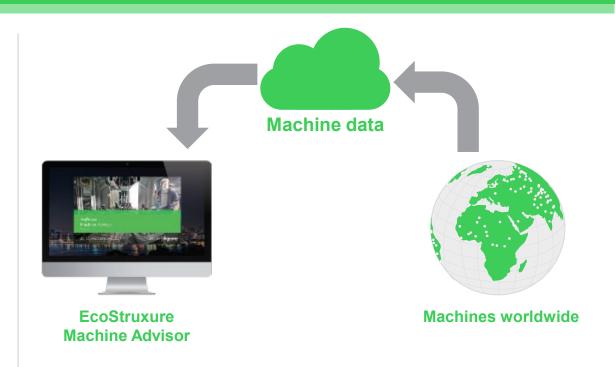
The Schneider Electric answer

EcoStruxure Machine Advisor is the new digital cloud-based services platform.

It enables machine builders to provide new services to machine operators for each installed machine in any production site worldwide.

The Machine builder can support now the machine operator by creating optimum framework conditions for a perfect and reliable operation of machines.

Machine Advisor offers a service to evaluate the asset's health and to give access to the machine performance.





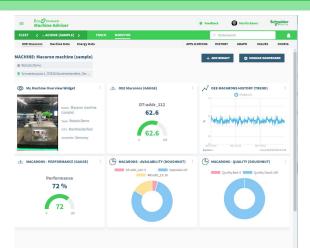
Smart services

EcoStruxure Machine Advisor – Overview



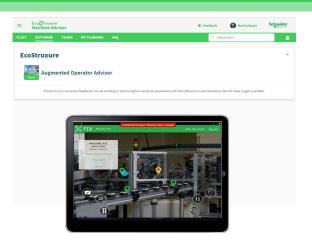
Track

Track is a repository service to get access to the machine's documentation and history: e.g. bill of materials, manuals, maintenance log, and task management.



Monitor

Monitor is a cloud based service to evaluate asset's health and to give access to the machine performance data (KPIs, dashboards), sending notifications and alerts in case of need.



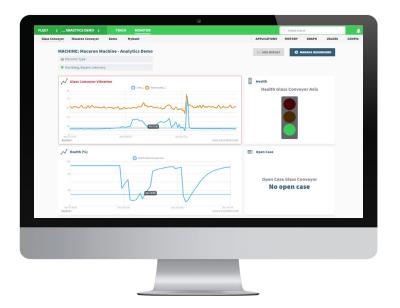
Fix

Fix is a service to facilitate maintenance operations with the help of step-by-step procedures and remote experts leveraging augmented reality.



Smart services

EcoStruxure Machine Advisor – Monitor – Health Application



Machine Monitoring – Health Application

Increases the machine availability thanks to anomaly detection by analytics

Inputs up to 10 machine parameters according to your pain points to the Health algorithm e.g. pressure, temperature, speed, current ...

The algorithm will be teached for a certain time with "good data" to make the algorithm aware of the normal production conditions.

As an output you will get the health status and an alert, if there are anomalies in the data.

Gives notification in case of asset anomaly detection

You will get notified about asset health cases via email, to react and keep the machine running.

Learn more on the subject

Today and tomorrow:

- At the Innovation Hub, live demo of EcoStruxure Augmented Operator & EcoStruxure Machine Advisor
- In the EcoStruxure Machine Advisor workshop

Checking EcoStruxure Augmented Operator use case and customers stories, using the links

of maintenance & services









