EcoStruxure™ Advisor Solutions

EcoStruxure™ Maintenance Advisor and Machine Advisor platforms offer digital cloud- and web browser-based services.

ecom's intrinsically safe mobile devices offer an extensive hardware infrastructure to display these server-based data in safe and hazardous areas by using standard Wi-Fi or carrier connections.

At a Glance

Enabling plant and machine operators of production sites around the world in getting access to digital, cloud-based services anywhere, including in hazardous locations, with the goal to optimize machine and plant reliability as well as performance.

Technology Partner
Schneider Electric

Your automation, our passion.

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The Application

EcoStruxure™ Maintenance Advisor
This platform provides condition-based maintenance and decision support enabling maintenance supervisors to monitor the condition of automation assets in real time to provide early insight into impending failure enabling maintenance to act on it proactively, preventing a failure. Embedded workflows and mobility allow easy dissemination and access of maintenance decisions from anywhere in the plant.
Source: Schneider Electric Catalog DIA6ED2200601EN, October 2020 - V1.0

EcoStruxure™ Machine Advisor
This solution is a digital, cloud-based services platform for remote access operating machines. It enables machine builders to provide new services to machine operators for each installed machine on any production site worldwide. Providing access to this information anytime anywhere for your engineering staff provides efficiency benefits that put you ahead of the competition.
Source: Schneider Electric Catalog 998-20246255_GMA-US

Ecom mobile safety solutions supporting
- EcoStruxure™ Maintenance Advisor
- EcoStruxure™ Machine Advisor

The Goal

Enabling plant and machine operators of production sites around the world in getting access to digital, cloud-based services anywhere, including in hazardous locations, with the goal to optimize machine and plant reliability as well as performance.

The Solution

EcoStruxure™ Advisor solutions offer a digital, cloud-based services platform for condition-based maintenance, monitoring of automation assets in real time, remote access to operating machines, and provide new services to machine operators for each installed machine on any production site worldwide. ecom's intrinsically safe tablets and smartphones offer a hardware platform to enable access to the EcoStruxure™ Advisor solutions in hazardous locations.

The Benefits

Nowhere is the power of the digital transformation more evident than in the mobility sector. By connecting the mobile workforce with real-time system information and empowering subject matter expert's global support via the use of remote access, EcoStruxure™ Advisor solutions and Pepperl+Fuchs act as the building blocks for Industry 4.0.

Empowering field workers to be part of reliability solutions helps drive collective behavior and a culture of asset ownership between operations and maintenance. Equipment condition data can be easily collected by field operators using a mobile solution as they do their regular operating rounds. Stranded or non-instrumented plant assets can now be efficiently monitored.

The asset-centric approach allows data collected by any operator or plant worker to be aggregated together for condition-based maintenance and monitoring of automation assets in real time. This means a more complete and comprehensive view of asset performance and health.

Technical Features

Maintenance Advisor
- Condition-based maintenance preventing unscheduled slow- and shutdown
- Improving asset reliability and availability
- Capturing maintenance activities for the operational life of assets
- Knowledge management capability for future references

Machine Advisor
- One platform for machine builders to manage all machine data during its entire life cycle
- Provide new services to machine operators at any location
- Operational data for evolution of machines
- Worldwide availability of cloud-based software tools

Smart-Ex 02 (DZ1)
Smartphone for
Class I, Div. 1 & Zone 1/21

Smart-Ex 02 (DZ2)
Smartphone for
Class I, Div. 2 & Zone 2/22

Ex-Cover Pro D2 (US/CAN)
Smartphone for
Class I, Div. 2
(for US and Canada Only)

Tab-Ex 02/03 (DZ2)
Tablet for
Class I, Div. 2 & Zone 2/22

Tab-Ex 02 (DZ1)
Tablet for
Class I, Div. 1 & Zone 1/21

Tab-Ex Pro D02
Tablet for
Class I, Div. 2 & Zone 2/22

For more information, visit: **www.pepperl-fuchs.com/ecom**