



# EcoStruxure™ Grid Operation

## Boost operational efficiency and reliability & resilience

Scalable, future-proof SCADA and OMS technology built for small and mid-sized utilities

Climate change, shifting customer expectations and digital transformation are just a few of the major trends impacting utilities. As a result, utilities are challenged with reliability, cost and outage issues. Current infrastructure was built for historical weather conditions, but today is vulnerable to weather extremes.

For small and mid-size utilities, these challenges are exacerbated by poor situational awareness, digitalization and grid control, as well as ongoing cybersecurity threats. Just as important, crew and public safety must be impeccable as utilities strive to improve performance and reliability.

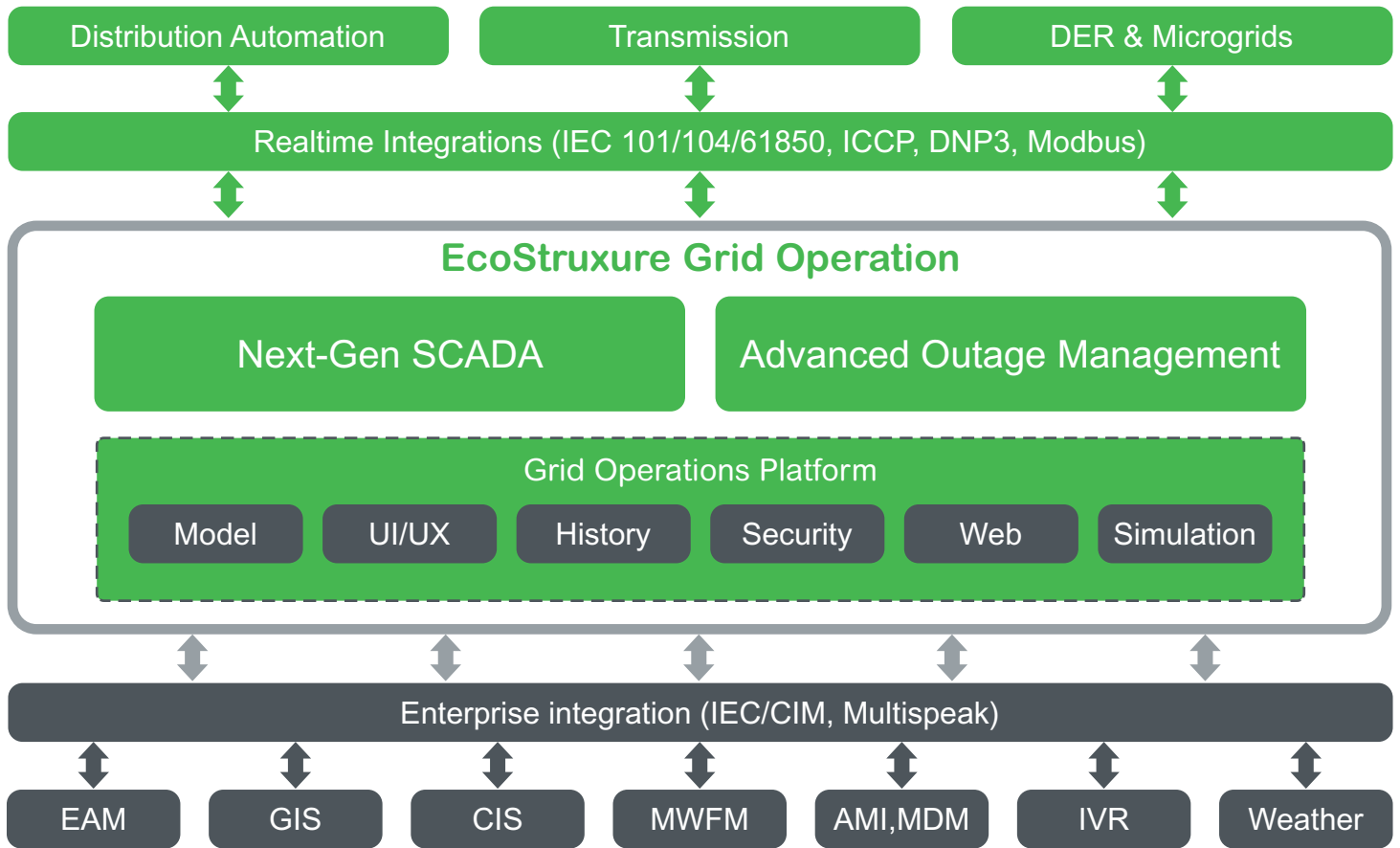
Dealing with these challenges demands a future-proof, scalable and compatible solution capable of leading the utility from traditional, paper-driven processes to a digital and adaptive way of managing grids of the future. EcoStruxure™ Grid Operation encapsulates operational efficiency, reliability & resilience in a compact and cost-effective solution available for small to medium utilities, and utilities that are embarking on their digital transformation journey to full-blown ADMS.



Life Is On

Schneider  
Electric

# EcoStruxure™ Grid Operation Overview



EcoStruxure™ Grid Operation is a grid operations solution that provides a unique set of integrated tools for managing grids of the future. Tailored for small & small-to-medium utilities that seek ways to maximize operational efficiency and improve reliability & resilience while reducing investments.

Unlike other mini-ADMS systems, EcoStruxure™ Grid Operation is a scalable and future-proof solution, bringing cutting-edge SCADA and Outage Management technology that will pave the way for best-in-class ADMS in a stepwise approach.

## Next-gen SCADA

- Scalable Front End Processors
- Powerful Protocol Analysis
- Streamlined Configuration
- Automated Control Sequences
- Guaranteed Cybersecurity
- Smart Alarming

## Grid Operations Platform

- Common User Interface
- Temporary Elements
- "Carried by" summary
- Configurable real-time symbols
- Powerful Trending
- Flexible Dashboards
- Dynamic coloring
- Advanced Tracing
- Real-time Topology
- Autogenerated views
- GIS & native ArcFM integrations

## Advanced Outage Management

- Incident management
- Trouble Event Management
- Integrated Switching
- Damage Assessment
- Advanced Reporting
- Real-time Mobile Operations
- Proactive Outage Notifications

Life Is On

Schneider Electric



# Available Packages

Next-Gen SCADA	Advanced OMS	SCADA & OMS
<ul style="list-style-type: none"> <li>✓ Grid Operations Platform</li> <li>✓ Next-Gen SCADA</li> <li>✓ Single Pane of Glass HMI</li> <li>✓ Integrated Switching Management</li> <li>✓ Templated Model Management</li> <li>✓ SCADA integration (ICCP, Multispeak)</li> <li>✓ DNP3</li> <li>✓ IEC 101</li> <li>✓ IEC 104</li> <li>Load Shedding</li> <li>Emergency Voltage Reduction</li> <li>FLISR</li> <li>Closed loop FLISR</li> <li>Advanced Switching Management</li> <li>Real-time Field Client</li> <li>Web-based HMI for corporate users</li> <li>Forecast                             <ul style="list-style-type: none"> <li>Near Term (NT)</li> <li>Short Term (ST)</li> <li>Medium Term (MT)</li> </ul> </li> <li>Basic Load Flow</li> <li>Low Voltage Network Model</li> <li>ArcFM Data Exporter</li> <li>Native OSIsoft PI Historian Integration</li> <li>IEC 61850</li> <li>Server DNP3 Server</li> <li>IEC 101 Server</li> <li>Conitel MD3</li> <li>MODBUS</li> <li>Series 5</li> <li>VANCOMM</li> <li>Switching Management Integration</li> </ul>	<ul style="list-style-type: none"> <li>✓ Grid Operations Platform</li> <li>✓ Advanced Outage Management</li> <li>✓ Single Pane of Glass HMI</li> <li>✓ Integrated Switching Management</li> <li>✓ Templated Model Management</li> <li>✓ SCADA integration (ICCP, Multispeak)</li> <li>✓ Real-time Field Client</li> <li>✓ Web-based Call Taking Application</li> <li>✓ Web-based HMI for corporate users</li> <li>✓ Native IEC/CIM and Multispeak integrations with corporate systems                             <ul style="list-style-type: none"> <li>✓ Advanced Metering Infrastructure (AMI)</li> <li>✓ Interactive Voice Response (IVR)</li> <li>✓ Customer Relationship Management (CRM)</li> </ul> </li> <li>✓ Outage publishing Integration (ONT)</li> <li>✓ ArcFM Data Exporter</li> <li>Advanced Switching Management</li> <li>Proactive Notifications</li> <li>Basic Load Flow</li> <li>Low Voltage Network Model</li> <li>Native IEC/CIM and Multispeak integrations                             <ul style="list-style-type: none"> <li>Automatic Vehicle Locator (AVL)</li> <li>Workforce Management systems (WFM)</li> </ul> </li> <li>Outage Portals</li> </ul>	<ul style="list-style-type: none"> <li>✓ Grid Operations Platform</li> <li>✓ Next-Gen SCADA</li> <li>✓ Advanced Outage Management</li> <li>✓ Single Pane of Glass HMI</li> <li>✓ Integrated Switching Management</li> <li>✓ Templated Model Management</li> <li>✓ SCADA integration (ICCP, Multispeak)</li> <li>✓ DNP3</li> <li>✓ IEC 101</li> <li>✓ IEC 104</li> <li>✓ Real-time Field Client</li> <li>✓ Web-based Call Taking Application</li> <li>✓ Web-based HMI for corporate users</li> <li>✓ Native IEC/CIM and Multispeak integrations with corporate systems (AMI, IVR, CRM)</li> <li>✓ Outage publishing Integration (ONT)</li> <li>✓ ArcFM Data Exporter</li> <li>Load Shedding</li> <li>Emergency Voltage Reduction</li> <li>FLISR</li> <li>Closed loop FLISR</li> <li>Advanced Switching Management</li> <li>Forecast (NT, ST, MT)</li> <li>Basic Load Flow</li> <li>Low Voltage Network Model</li> <li>Native OSIsoft PI Historian Integration</li> <li>IEC 61850</li> <li>Server DNP3 Server</li> <li>IEC 101 Server</li> <li>Conitel, MD3, MODBUS, Series 5, VANCOMM</li> <li>Proactive Notifications</li> <li>Native IEC/CIM and Multispeak integrations with AVL, WFM and Outage Portals</li> </ul>

✓ Included in the offer  
Available addons at an additional cost

## Flexible Deployment



Standalone OMS



Standalone SCADA



SCADA & OMS

To help a utility wisely manage its resources and lower the OPEX, flexible deployment options are available for these next-generation solutions – on premise or cloud-based\*.

For best-in-class incident management, advanced reporting, real-time mobile operations, consolidated switching and much more – go for standalone OMS.

For scalable and high-performance data acquisition & processing, clear & concise UI, guaranteed cybersecurity, smart alarming and more – go for standalone SCADA.

Or to unlock the full potential of this scalable future-proof solution, utilities can choose the full package – Grid Operation SCADA & OMS. Capture the value and boost your business to the next level!

\* Cloud-based OMS will be available in the future

# Key Benefits

## Lower TCO

Reduces total cost of ownership by utilizing single operational digital twin

## Single Pane of Glass HMI

Minimized context switch & reduced number of user actions with intuitive and consistent UI

## Switching Management

Fully digitalized and secure, reduces control room workload and enhances safety & efficiency of field crews

## SCADA Commissioning

Significant savings in SCADA telemetry commissioning

## Protocol Analyzer

Saves time needed for analysis of SCADA communication issues up to 70%

## SCADA Performance

100k changes/sec processed

## Best-in-class Outage Management

Globally field-proven, fast restoration, intelligent prediction, comprehensive reporting

## Real-Time Field Client

Single application for managing all types of work, improving crew safety, efficiency & real-time awareness

## Proactive Outage Notifications

Keep information-hungry stakeholders well informed all the time, while saving up to 500k \$/€ yearly



### Contact:

Schneider Electric Hub  
25 A, B, C, D Narodnog fronta St.  
P.O. Box 21000 Novi Sad  
Serbia

Phone: +381-21-488-3600  
e-mail: [dms.product.marketing@se.com](mailto:dms.product.marketing@se.com)  
[www.se.com](http://www.se.com)

Life Is On

**Schneider**  
Electric