

## Schneider Electric's Modicon M262 Controller and TeSys island Digital Load Management system enable full IIoT machine integration with unprecedented efficiency

- The breakthrough TeSys island and the ultra-connectivity of the Modicon M262 enable IIoT integration of new machines and retrofits that are easier, faster, and cheaper
- The offers deliver a fully digital ecosystem, magnifying benefits of new technologies through EcoStruxure for Machine Builders, unlocking new business opportunities for OEMs in an increasingly competitive environment

Hannover (Germany), April 1, 2019 – Amid rapid adoption of IIoT, Machine Builders must provide and manage connected machines that improve end-user efficiency. [Schneider Electric](#), the leader in digital transformation of energy management and automation, announces the innovative Modicon M262 Logic & Motion controller and TeSys island multifunctional digital load management system, which give OEMs unprecedented ease in deploying IIoT-ready machines.

Today's ultra-competitive business and technology landscape requires machine builders to redefine the way they operate. This landscape is made more challenging by a growing shortage of IT-qualified talent, mass customization and individualization of products. In this context, OEMs must engage in long-term strategies now, by adopting IIoT connectivity, mobility, cloud computing, and big data analytics, to deliver smarter, more efficient, and cost-effective machines that enable new services and revenue streams.

### TeSys island Digital Load Management and Modicon M262 Logic & Motion Controller give OEMs complete digitization through EcoStruxure

EcoStruxure, Schneider Electric's open, IoT-enabled architecture and platform, helps OEMs deliver greater operational efficiency throughout the machine life cycle. EcoStruxure, combined with [TeSys island Digital Load Management and Modicon M262](#), gives OEMs unprecedented ability to rapidly integrate IIoT into new and existing machines:

- **TeSys island**, a new fully-digitized IoT connected load management solution that saves on design, wiring, and commissioning time as it is based on multifunctional devices and avatars for industrial applications with loads up to 80 amps.
- **Modicon M262** with embedded direct cloud connectivity and encrypted communication protocols, and up to 5 separated Ethernet networks for fast logic and motion performance in demanding applications. Modicon M262 provides benchmark performance with 30% better motion and four times faster CPU execution than the market preference.

### IIoT-ready offers allow faster, more scalable and secure machine integration at scale

EcoStruxure allows for up to 40% faster integration of Modicon M262 and TeSys island, into any environment: machine to machine, machine to plant, and direct machine to cloud, using open standards, with built-in end-to-end cybersecurity that offers encrypted communication and network segmentation. TeSys island and Modicon M262 eliminate the need for additional hardware of a traditional contractor

solution for cloud connectivity, with testing and commissioning capabilities to facilitate upgrades of existing equipment at scale.

## Digitization enables optimized design and reduced time to market

Modicon M262 and TeSys island, with [EcoStruxure Machine Expert](#) configuration and commissioning software and the [EcoStruxure Motor Configurator](#) tool, help OEMs accelerate time to market, as they enable multiple teams to simultaneously program and control the quality of design. Modicon M262 allows quick plug & work embedded system access for easy network configuration and replacing devices with zero installation. This reduces commissioning and service tasks by roughly 50%.

Enabling more efficient integration, TeSys island's innovative object-orientated concept of TeSys avatars acts like a digital twin on top of the physical objects. TeSys island eliminates the need for auxiliary wiring and reduces the need for I/O modules, making it 40% faster to integrate and reducing installation costs by 30% compared with traditional solutions.

## Connected machines guarantee performance and unlock new business models

Remote visibility into machine performance enables OEMs to offer new global services supported by the embedded cloud connectivity. [EcoStruxure Machine Advisor](#) gives engineering and maintenance teams access to information, on any machine and at any time. This enables opportunities to provide new service offers, such as preventive maintenance, that add real value for end-users. TeSys island provides reliable preventive maintenance data and pre-alarms which avoid machine stoppages when unusual electrical load behaviors are detected. This reduces time for corrective actions by up to 50% through smart maintenance and services.

*“Machine builders and OEMs have traditionally looked for solutions which could lower their cost and improve the machine performance. This is still true, but now they also need to digitize to stay competitive,” said Peter Herweck, EVP, Schneider Electric Industry. “With EcoStruxure Machine Expert, Modicon M262 Logic & Motion controller, and TeSys island digital load management system, OEMs have a future-proof solution that brings digitization to reduce configuration time, reduces wiring and I/Os, and increases processing speed. This solution will enable OEMs to quickly see the advantages of the Industrial Internet of Things.”*

## [About Schneider Electric](#)

Schneider Electric is leading the Digital Transformation of Energy Management and Automation in Homes, Buildings, Data Centers, Infrastructure and Industries.

With global presence in over 100 countries, Schneider is the undisputable leader in Power Management – Medium Voltage, Low Voltage and Secure Power, and in Automation Systems. We provide integrated efficiency solutions, combining energy, automation and software.

In our global Ecosystem, we collaborate with the largest Partner, Integrator and Developer Community on our Open Platform to deliver real-time control and operational efficiency.

We believe that great people and partners make Schneider a great company and that our commitment to Innovation, Diversity and Sustainability ensures that Life Is On everywhere, for everyone and at every moment.

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