

Schneider Electric launches Jumpstart Automation Package targeting Small and Medium Enterprises

- Solutions in the package help Small and Medium Enterprises (SMEs) improve overall machine efficiency by reducing machine downtime, providing faster troubleshooting, and improving worker competency and efficiency.

21 August 2019, Singapore – Schneider Electric, global leader in energy transformation, has launched the SME Jumpstart Automation Package that comes with a wide range of applications, from providing tool change instructions at a manufacturing line to obtaining live alarms and data from process and machines.

Automation is one of the biggest step-changes in the manufacturing industry, Singapore's largest industry by far which contributes 22% of the country's annual GDP in 2018. SMEs contribute just short of S\$200 billion to the Singaporean economy, accounting for around two-thirds of all employment. This new era of digitization brings about numerous opportunities in terms of growth and efficiency.

However, for many SMEs in Singapore, there are still many challenges in crossing the digital divide. Half the time spent on maintenance involves finding information, and only the remaining 50% has been devoted to actual intervention on the equipment. In addition, automation need to be cost effective and scalable to meet the varying needs of SMEs. Schneider Electric's automation package engages augmented reality and cloud-based monitoring to fill existing gaps, providing effective integration and scalability for SMEs to start their automation journey.

Vice-President of Industry Automation for Schneider Electric Singapore and Malaysia, Urvil Modi says: "Acceptance and adoption of automation technology amongst SMEs require not just a review of existing operations, but a consistent and concerted effort to drive adoption of these solutions. At Schneider Electric, we see ourselves as an enabler for SMEs to take their first step in automation. A scalable automation package is important to help SMEs ensure that their transformation process is sustainable."

The Jumpstart Automation Package aims to deliver the following benefits for SMEs:

- Use augmented reality to find critical information faster and gain the ability to open the electrical cabinet doors virtually to avoid unnecessary machine downtime.
- Prepare the organization for workforce transformation and digital workforce by leveraging on digital learning tools.
- Track machines in operation remotely and monitor performance data while reducing support costs by up to 50%.

Bob Gill, General Manager, Southeast Asia, ARC Advisory Group says: "Support from technology suppliers with the requisite expertise and solution portfolio remains a crucial enabler in the SME automation journey, and it is very encouraging to see global companies like Schneider Electric providing opportunities for local SMEs in the drive towards digitalization."

Schneider Electric's Jumpstart Automation Package is being unveiled at the SME Go Automation Singapore event held on 21st August. Featuring industry experts from Nanyang Polytechnic (NYP), TÜV SÜD PSB and ARC Advisory, the initiative brings together insights from the ecosystem to support SMEs in navigating challenges and opportunities in the era of digitalization. Local SMEs Sanwa Plastic and Servoconnect Systems will also share their automation journey and experiences.

The SME Jumpstart Automation Package includes the EcoStruxure Augmented Operator Advisor (AOA) and the EcoStruxure Machine Advisor (MA).

EcoStruxure Augmented Operator Advisor (AOA) Package

Deployment:	Consultancy and assessment review of current state of automation, site survey and configuration proposal, and User Acceptance Test
Hardware:	1 x 12" windows OS HMI panel, 1x Android Tablet, 1x panel enclosure
Software:	AR Project for 10 sets of scenes to recognize, 25 documents and 40 live variables, AR runtime license, HMI runtime license
Tailored Workshop:	Hands-on configuration on 1 set of scene, document and live variable, On-site User and Admin training

The EcoStruxure AOA aims to help SMEs achieve the following:

Quick access to critical information

- PDF files for technical documentation of the equipment, electrical
- diagrams, images, videos.

Access to hidden parts

- Real-time data from PLC
- Technical documentation of equipment, electrical diagrams, notes, labels, images and videos from a SQL database.
- Virtually open electrical cabinet doors to access hidden parts of machine during operation
- Avoid unnecessary machine downtime

Procedures

- Reduce operator errors during maintenance by providing step-by-step guides/ instructions to execute the operation.

Detection mode

- Recognition of a scene by tag or 2D image to guarantee easy and fast detection in all situation.

Access control

- Different access privileges, depending on user profiles, roles and responsibilities.

Multi-OS

- Available on IOS, Android and Windows tablets.

Benefits of the AOA includes:

- ✓ Improvement in Overall Machine Efficiency Reduce Downtime
- ✓ Speed up operation and maintenance
- ✓ Reduce human errors
- ✓ Improvements in worker competency and efficiency

EcoStruxure Machine Advisor (MA)

Deployment:	Consultancy and assessment review of current state of automation, site survey and configuration proposal, and User Acceptance Test
Hardware:	3 Machines connected to EcoStruxure Machine Advisor with 10 dashboards each, 5-year software subscription for the 3 Machines
Software:	AR Project for 10 sets of scenes to recognize, 25 documents and 40 live variables, AR runtime license, HMI runtime license
Tailored Workshop:	Hands-on configuration on 1 set of scene, document and live variable, On-site User and Admin training

The EcoStruxure AOA aims to help SMEs achieve the following:

Better management and accountability

- Manage machine data (BOM, documentation) and software
- Manage and log service and maintenance activities

Condition-Based Monitoring

- Manage preventive maintenance plans and execution
- Monitor your installed base machine status and KPIs. Starting with descriptive analysis moving towards predictive analysis.
- Customizable and configurable analytics dashboard

Remote cloud-based solution

- No CAPEX cost involved. Subscription-based model. Pay as you use.
- Use software as a service directly from the browser. No installation required
- Always use the right software version
- Troubleshoot the machine and update program file anytime, anywhere
- Localize your entire installed base worldwide
- Flexible online / offline data
- Configurable alerts

Benefits of the MA includes:

- ✓ 3–5% increase in productivity
- ✓ 30–50% reduction of machine downtime
- ✓ 45–55% optimized use of expertise and know-how

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About Schneider Electric

At Schneider, we believe **access to energy and digital** is a basic human right. We empower all to **do more with less**, ensuring **Life Is On** everywhere, for everyone, at every moment.

We provide **energy and automation digital** solutions for **efficiency and sustainability**. We combine world-leading energy technologies, real-time automation, software and services into integrated solutions for Homes, Buildings, Data Centers, Infrastructure and Industries.

We are committed to unleash the infinite possibilities of an **open, global, innovative community** that is passionate with our **Meaningful Purpose, Inclusive and Empowered** values.

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