

Schneider Electric Launches EcoStruxure Automation Expert Version 21.2 to Manage Full Automation Lifecycle of Water and Wastewater Operations

- New version of world's first software-centric industrial automation system drives the Industries of the Future
- Helps safeguard fresh water; supports sustainability
- Seamlessly connects to engineering software, including from AVEVA

CHICAGO, IL – October 18, 2021 – [Schneider Electric](#), the leader in the digital transformation of energy management and automation, today announced version 21.2 of [EcoStruxure™ Automation Expert](#), further enhancing the capabilities of the world's first software-centric universal automation system.

Following previous success with its implementation across the consumer-packaged goods and logistics sectors, the new release will focus on helping future-proof water and wastewater (WWW) plant operations.

Water and wastewater plants that implement EcoStruxure Automation Expert will now have complete lifecycle management, seamless integration of IT/OT services and improved system diagnostics for their automation systems. The solution also enables close integration with the AVEVA portfolio, further extending capabilities and options to add or modify as future needs arise.

EcoStruxure Automation Expert v21.2 is the next in an ongoing series of updates and enhancements that Schneider Electric delivers to the market at least twice a year. Named [the most sustainable company in the world](#), Schneider Electric will be showcasing this and other innovations for the water and wastewater industries at the [2021 Water Environment Federation's Technical Exhibition and Conference \(WEFTEC\)](#) in Chicago Oct. 16-20 in booth #2604.

“As the water/wastewater industry prepares for significant investments in modernization and growth, they will need to incorporate new digital tools to properly manage their operations and gain the greatest efficiencies moving forward,” said David Lee, Water/Wastewater Segment Leader, Schneider Electric. “By incorporating EcoStruxure Automation Expert, operators will gain greater control of their systems and reduce operating costs, while simplifying future maintenance needs.”

With \$2.25 trillion dedicated to infrastructure spending in the proposed [American Jobs Plan](#), the water and wastewater industries expect to see a dramatic increase in investment in the coming years. This is the time to make significant enhancements and progress in the sector by embracing universal automation to drive the next level of sustainable water operations.

Future-proof flexibility

With a life span of 25-35 years, water and wastewater plants typically remain with one automation provider throughout their entire project lifecycle, leaving them with outdated and rigid operations. Introducing EcoStruxure Automation Expert allows the automation software to be separated from the

hardware, providing freedom for WWW enterprises to break their dependency on proprietary hardware suppliers.

EcoStruxure Automation Expert will provide a single platform that evolves with time for water and wastewater subsegments, including:

- **Treatment infrastructures:** water treatment and wastewater treatment plants, desalination plants and industrial wastewater
- **Network infrastructures:** water and wastewater networks
- **Water resources:** distributed systems, such as irrigation systems

Technology transforming industries of the future

New enhancements in EcoStruxure Automation Expert v21.2 include:

1. **Enhanced lifecycle management:** From designing and building water and wastewater plants to improving operation and maintenance, EcoStruxure Automation Expert offers seamless connection to engineering software – including AVEVA – so new designs or changes to existing ones can be validated virtually prior to implementation, both reducing errors and saving time and money. This asset centric approach allows for automatic deployment of process elements (with e.g., their control, supervisory, mechanical, electric and control designs) enabling process assets to be managed digitally across their entire lifecycle.
2. **Improved device integration and out of the box application libraries:** A continued drive for open, universal automation platforms has led to a streamlined licence model and the introduction of a native visualization solution with EcoStruxure Automation Expert HMI now available on cost effective local panels.
3. **Complete digital solution from end point to the cloud:** A seamless integration of IT and OT systems boosts security and longevity, while ensuring customers have a solution that will evolve over time.

Embracing universal automation

Schneider Electric believes the time is right for a bold move in industrial automation and is calling on industrial users, vendors, OEMs, systems integrators and EPCs across industry to embrace universal automation.

Universal automation is the world of plug and produce automation software components based on the IEC61499 standard that solve specific customer problems in a proven way. Adoption of an IEC61499-based standardized automation layer, common across vendors, will provide limitless opportunities for growth and modernization across industry.

With the launch of EcoStruxure Automation Expert v21.2, Schneider Electric further extends the capabilities of existing IEC61131-based systems and enables an app-store-like model for automation software components. As more universal automation solutions become available, Schneider Electric believes other vendors will adopt universal automation, and end users will begin to demand it from their automation suppliers and ecosystem.

For more information on Schneider Electric solutions for the water and wastewater industries, please visit <https://www.se.com/us/en/work/solutions/for-business/water/>.

About Schneider Electric

Schneider's purpose is to **empower all to make the most of our energy and resources, bridging progress and sustainability** for all. We call this **Life Is On**.

Our mission is to be your **digital partner for Sustainability and Efficiency**.

We drive digital transformation by integrating world-leading process and energy technologies, endpoint to cloud connecting products, controls, software and services, across the entire lifecycle, enabling integrated company management, for homes, buildings, data centers, infrastructure and industries.

We are the **most local of global companies**. We are advocates of open standards and partnership ecosystems that are passionate about our shared **Meaningful Purpose, Inclusive and Empowered** values.

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Additional resources:

- [EcoStruxure Automation Expert Website](#)
- [EcoStruxure Automation Expert in Water Wastewater Video](#)
- [Follow Industries of the Future on LinkedIn](#)