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Unleash your engineering agility with EcoStruxure Automation Expert

How we answer the future of automation

Yung Wallace – CARGILL

Tilo Kaschubek – AVEVA

Leif Juergensen – Schneider Electric

AVEVA

Our Guests



Yung Wallace, Cargill

“Our digitization strategy demands agility while keeping production up. Engineering systems must become fit for the future”



Leif Juergensen, Schneider Electric

“Shaping the future of automation with EcoStruxure Automation Expert our platform independent and vendor agnostic solution”



Tilo Kaschubek, AVEVA

“Data is unique. The more people who consume the same data, the more valuable it becomes.”

The future of automation is OPEN

“The factory of the future will have only two employees, a man and a dog.

The man will be there to feed the dog.

The dog will be there to keep the man from touching the equipment.”

Warren G Bennis



Our digitization story demands more agility

along the whole life cycle of our engineering and operations



Engineering and support systems must be fit for the future, agile and easy to use during all stages of the lifecycle and allow transparent sharing of data across tools & systems

Systems should be open and decoupled in every aspect, based on industry standards that support plug-and-produce and reduce process downtime

Decoupling hardware from software is an important prerequisite
To reduce the time of implementation, breaking vendor locks and generate substantial saving of total cost of ownership

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[Universal Automation.org](https://www.universalautomation.org) is well aligned with our strategy for open automation

Universal automation is the solution

A combination of:

1. **IEC 61499 standard** – a technology enabler
2. **A community** of Users and Vendors sharing a **common runtime execution engine** committed to portable automation software apps – **UniversalAutomation.Org (UAO)**

Think of it as the Android of Industrial Automation



For Smartphones



UNIVERSAL
AUTOMATION.ORG

For Industrial Automation

Integrated lifecycle to deliver unprecedented choice and flexibility



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Digital continuity high-level workflow

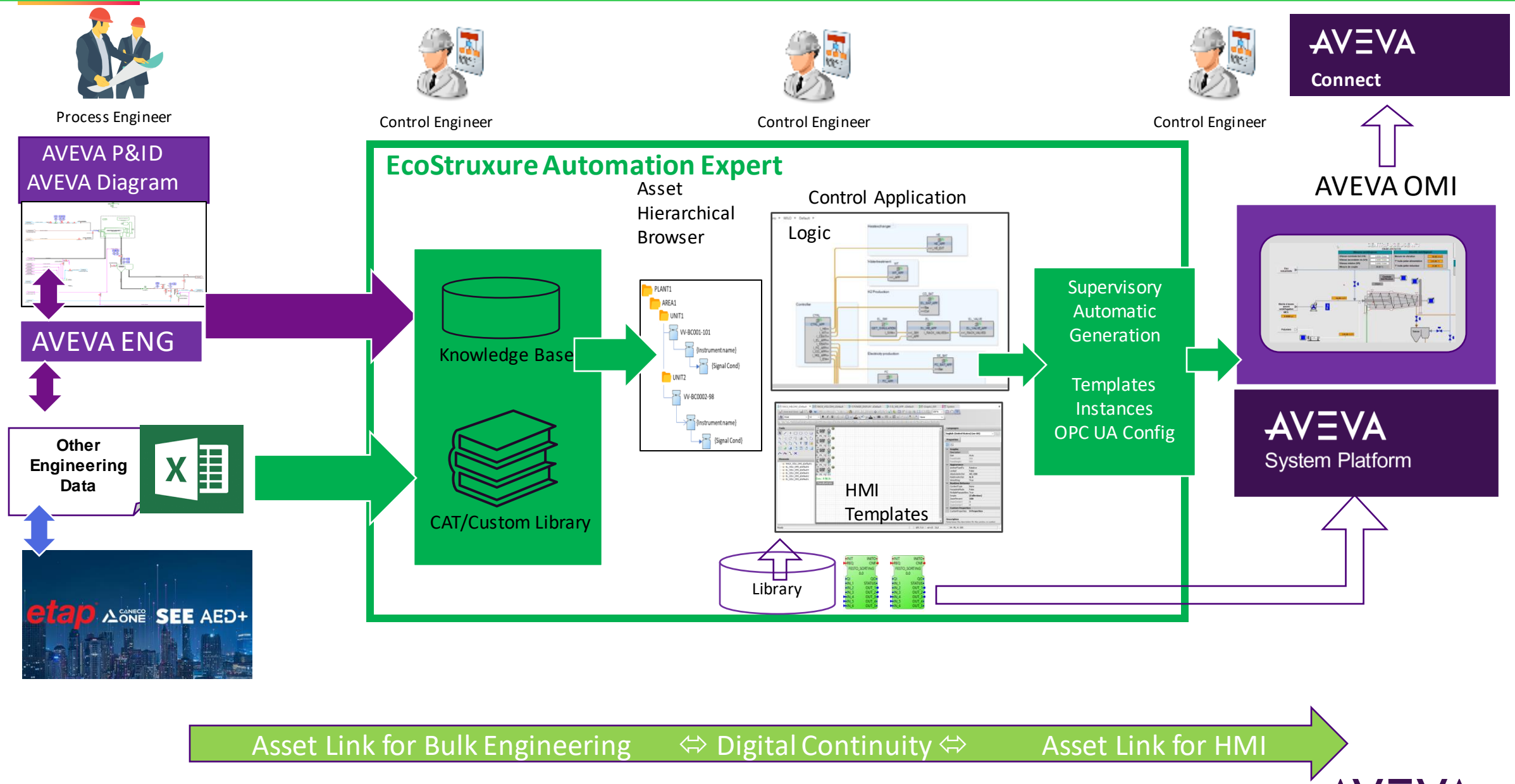
The screenshot displays the EcoStruxure Automation Expert interface for a project named "WILO_V12_1.sln". The main workspace shows a hierarchical diagram of the system components and their interconnections:

- System Structure:** System > Applications > WILO > Default
- Process Flow:**
 - Controller:** Contains a central control block (CTRL) with various input and output ports.
 - Heat Exchanger:** Connected to the Controller.
 - Water Treatment (WT):** Connected to the Controller.
 - H2 Production:** A central block containing sub-components like CO2 SAT, EL, and EL VALVE.
 - Electricity production:** Connected to the Controller.
 - H2 Tank and Stickstoffventile:** Connected to the Controller.
 - Microgrid and Energy overview:** Connected to the Controller.

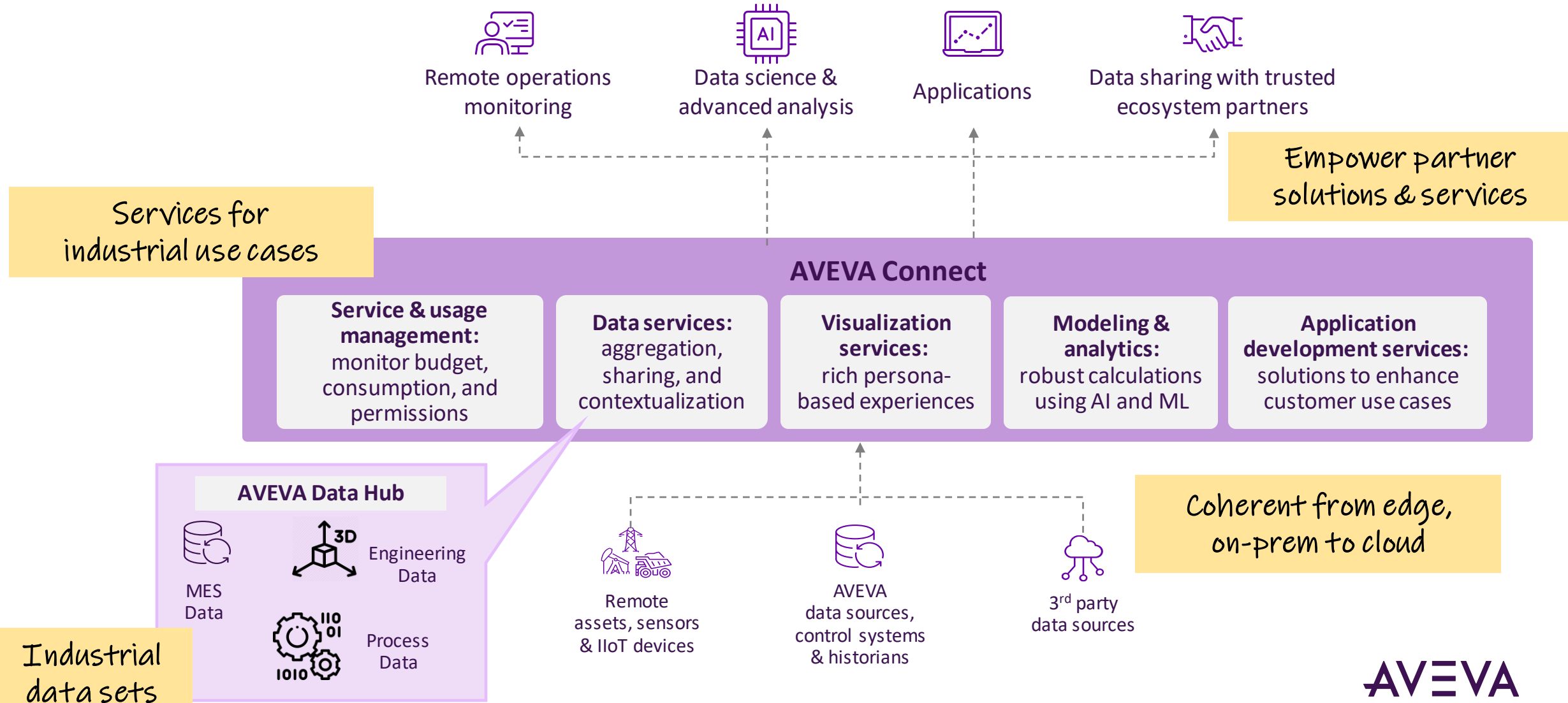
The right-hand side of the interface features a graphical editor for "Graphic_001", showing a grid of visualization elements. The "Tools" palette includes drawing and editing tools, while the "Elements" palette lists various rack-mounted components (RACK_MB). The "Properties" panel on the far right shows settings for the selected graphic element, including language (Englis), appearance (Ar Relative), and runtime behavior (Ct None, Fz False, Ml True, Sc (Collect), Zc 100).

At the bottom of the window, the status bar indicates: "Solution Loaded", "GPI: 5.0", "en-US", "294, 456", and "W: 995, H: 620".

Digital continuity high-level workflow



AVEVA Connect – Industrial Cloud Ecosystem



Questions?

Please wait for the microphone.
State your name and company.



Please remember to...

Navigate to this session in the mobile app to complete the survey.



Thank you!

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