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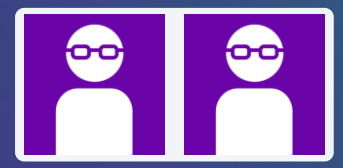
How to leverage industrial graphics in your applications

Mary-Alice Amaral – Presales Consultant

Beatriz Goncalves – Senior Presales Consultant



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Mary-Alice Amaral

Presales Consultant

AVEVA

maryalice.amaral@aveva.com

Beatriz Goncalves

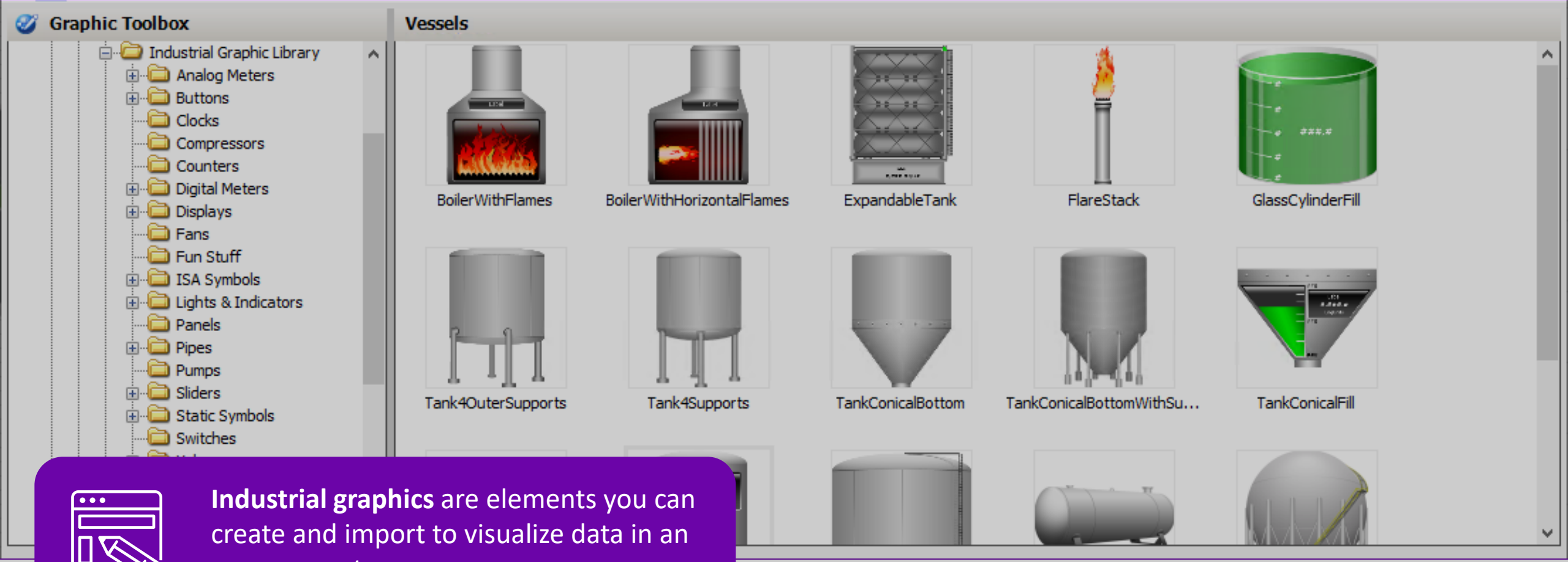
Senior Presales Consultant

AVEVA

beatriz.goncalves@aveva.com

Agenda

- About AVEVA’s industrial graphics
- Industrial graphic editor
- Best practices



Industrial graphics are elements you can create and import to visualize data in an AVEVA HMI/SCADA system.

It helps in creating icon models, standardization, customization and saving time in system development.

1. Create and store graphics as a standard set that you can re-use, such as a generic valve graphic.
2. Store graphics as templates if you want to use the graphics in multiple instances at run time.
3. Store graphics for use in a specific application.

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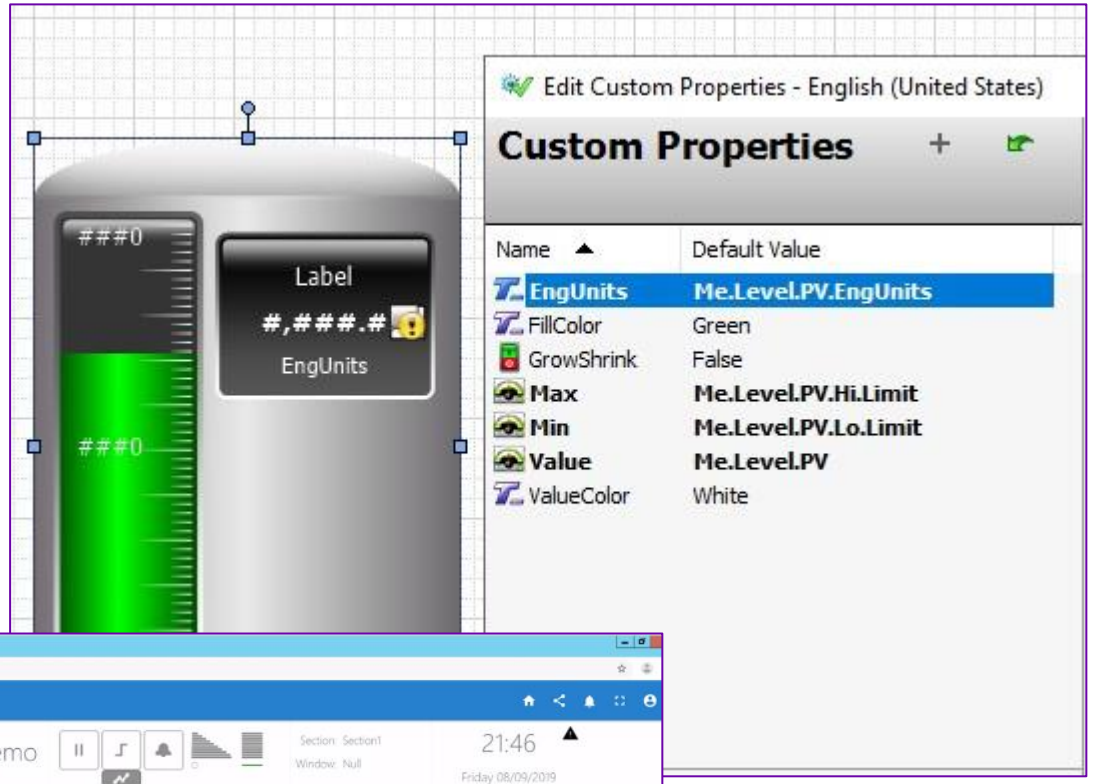
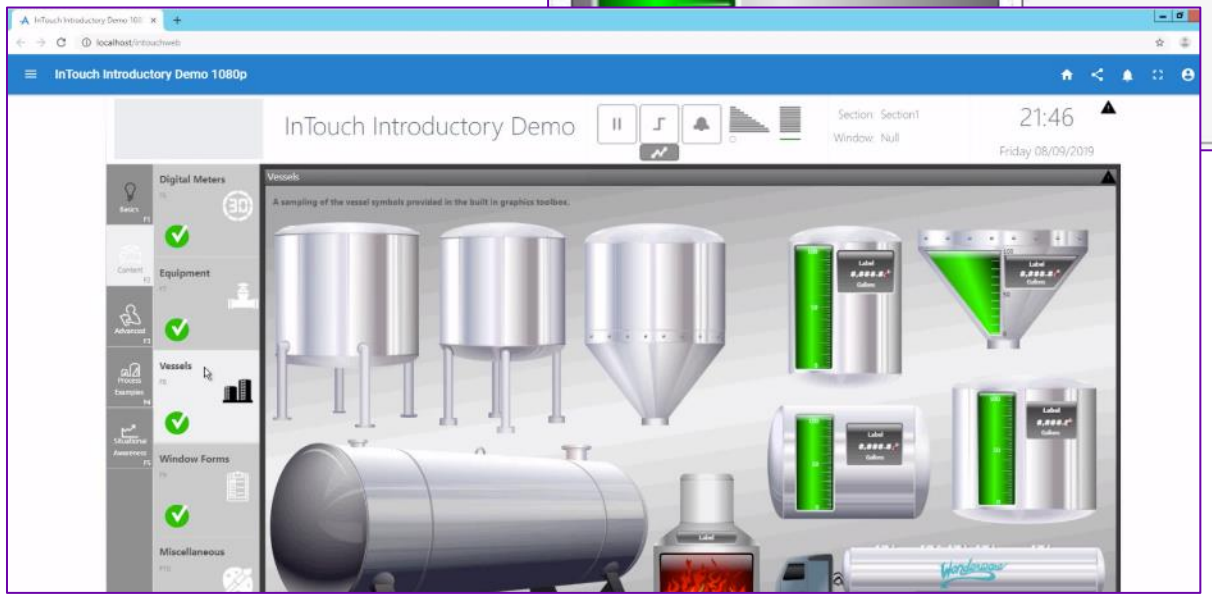
Why use industrial graphics?

- Cross portfolio integrations
- Web client (HTML5 browser)
- Engineering efficiency
  - Custom Properties
  - Animations
  - Scripting





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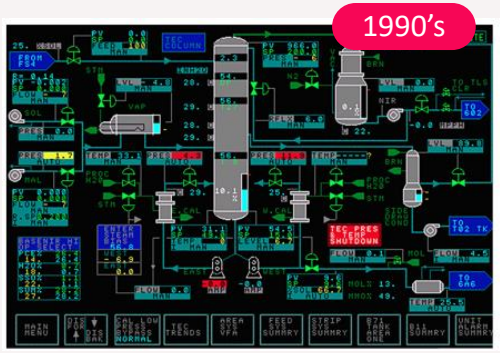
The most powerful HMI engine in the world – industrial graphics

Used across entire portfolio

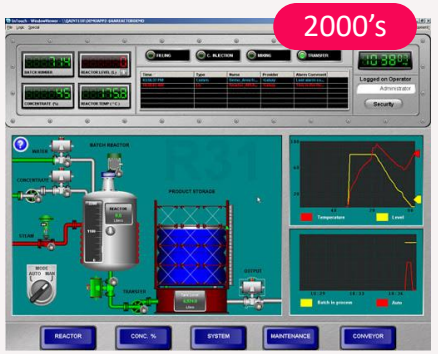
- Extensive animations
- Local namespace
- Client business logic / scripts
- Quality indication
- Status indication
- Security handling
- Anchor points
- Connector points
- Change propagation
- Symbol embedding
- Data redirection
- Situational awareness
- Element styles
- Content navigation
- .NET Framework access
- Language switching
- Graphic wizards
- Alarm handling
- Numeric formatting
- More…

Today

1990's



2000's



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Common graphics across portfolio

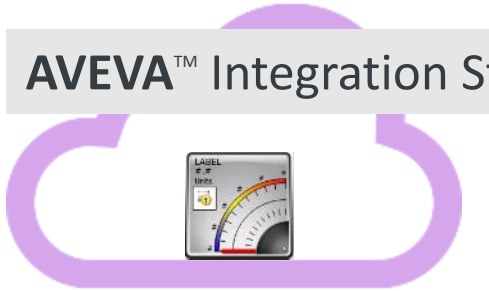
Leveraging AVEVA's cloud to build & save graphics

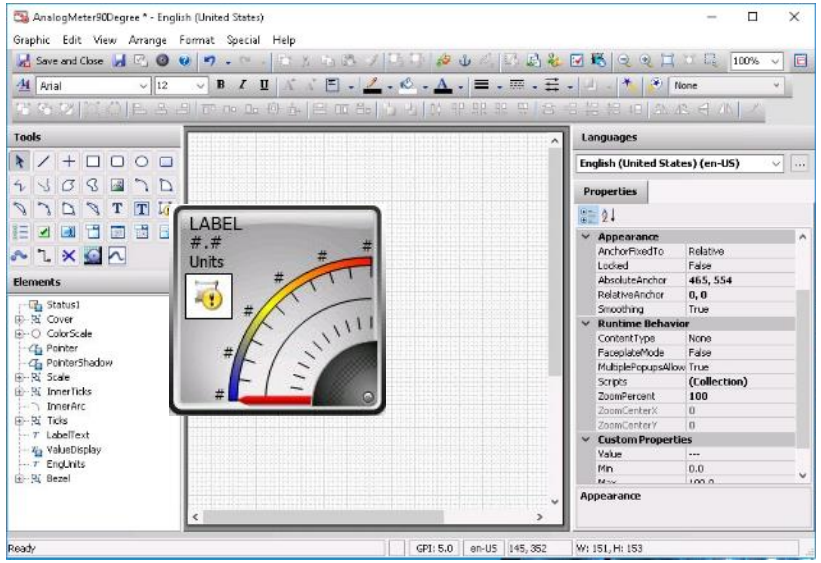
Engineering Efficiency , Built Once!

Common Technology across Large Customers using multi-products

Concurrent Collaborative Development across teams/sites

AVEVA™ Integration Studio





- **AVEVA**™ System Platform
- **AVEVA**™ OMI
- **AVEVA**™ InTouch HMI
- **AVEVA**™ Cloud Insight
- **AVEVA**™ Edge
- **AVEVA**™ Citect SCADA

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Cloud management of industrial graphics

Engineering efficiency

- Industrial graphics and web widgets in AVEVA's cloud
- Easily share your graphical standards with others, through a team or an organization
- Personal Drive cloud storage
- Shared Drive cloud storage
- Drag and drop industrial graphics or complete toolsets
- Access via Development Studio subscription

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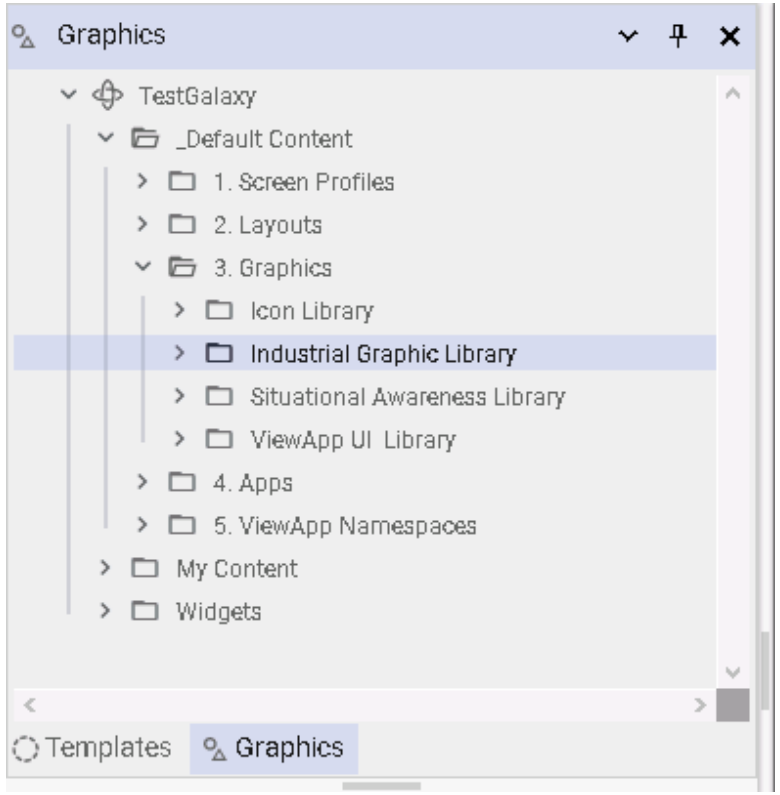
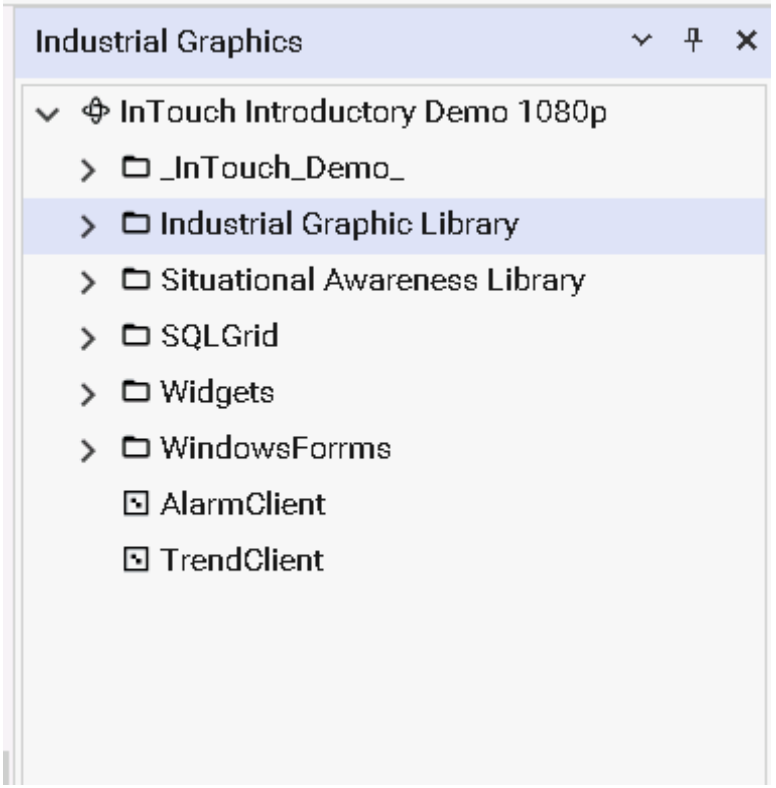
Industrial graphics library

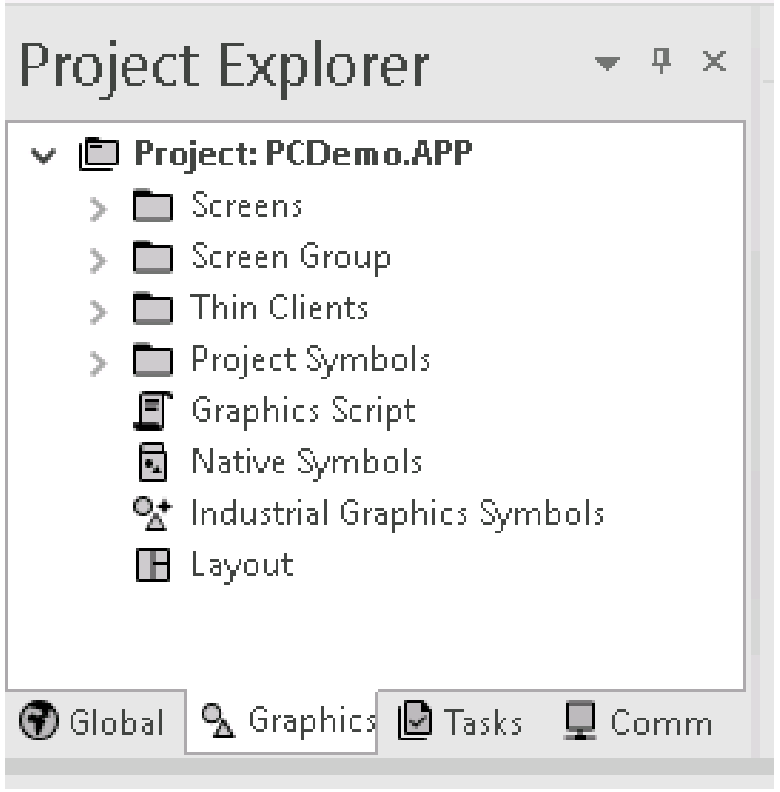
AVEVA System Platform



AVEVA InTouch HMI



AVEVA Edge



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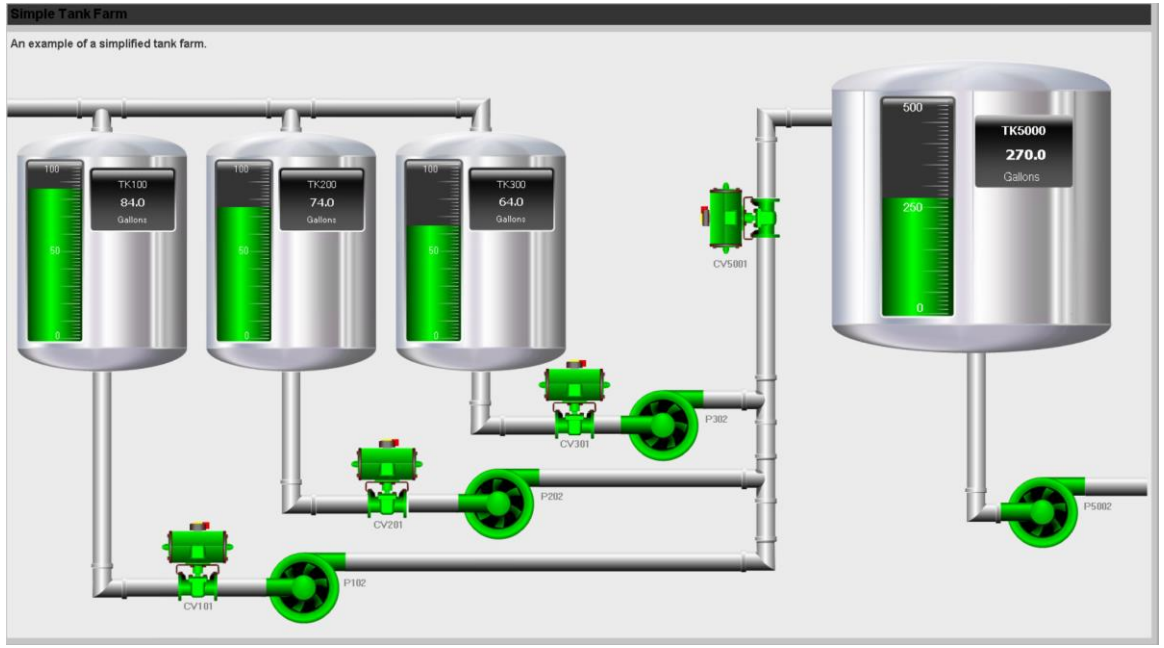
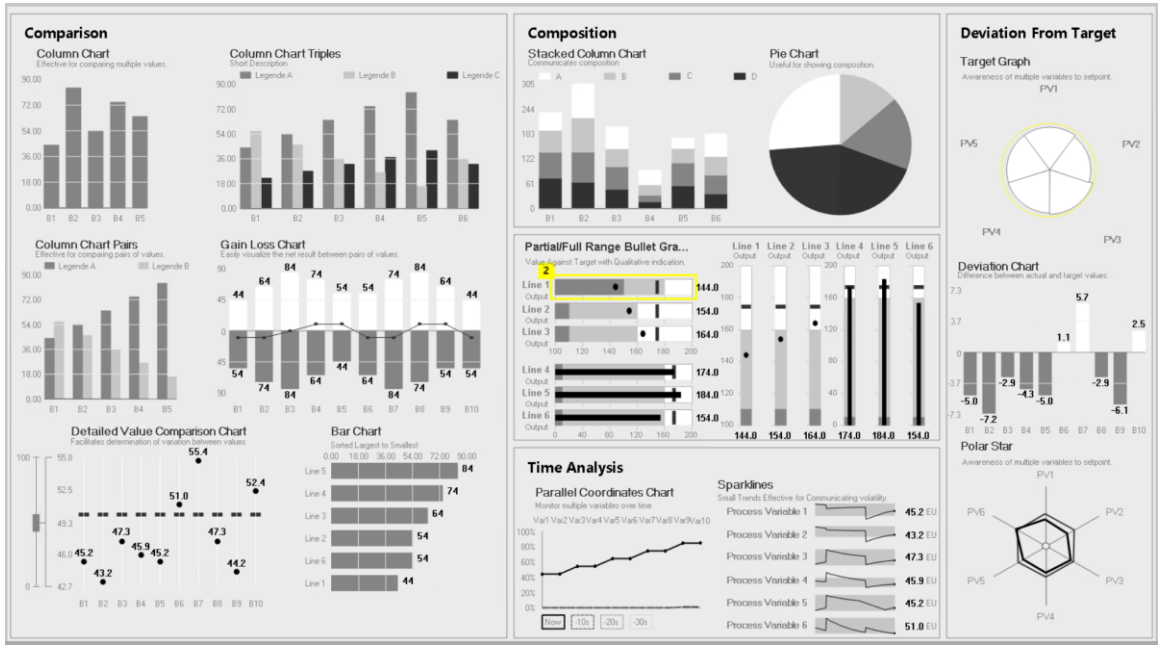
Industrial graphics



Situational awareness graphics



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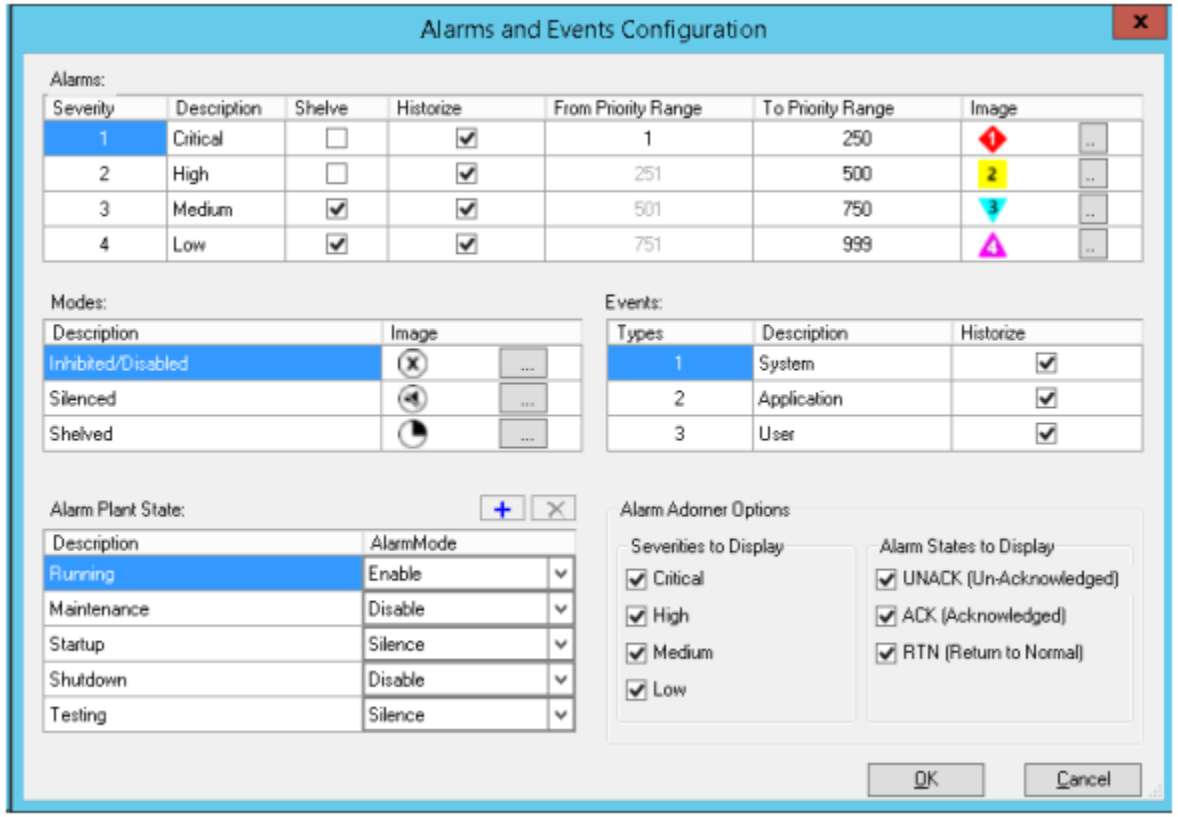
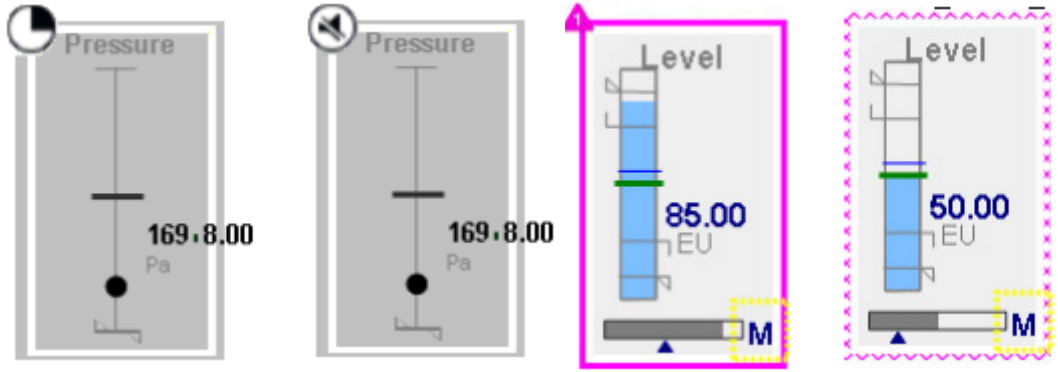
Alarm borders





Shelved | Silenced | Low severity | Memory status

- Highly visible border around a graphic or graphic element when an alarm occurs
- The color and fill pattern of the border indicates the severity and current state of the alarm
- The alarm value returns to normal and the user acknowledges the alarm.
- Alarm borders improve operator recognition of alarm conditions

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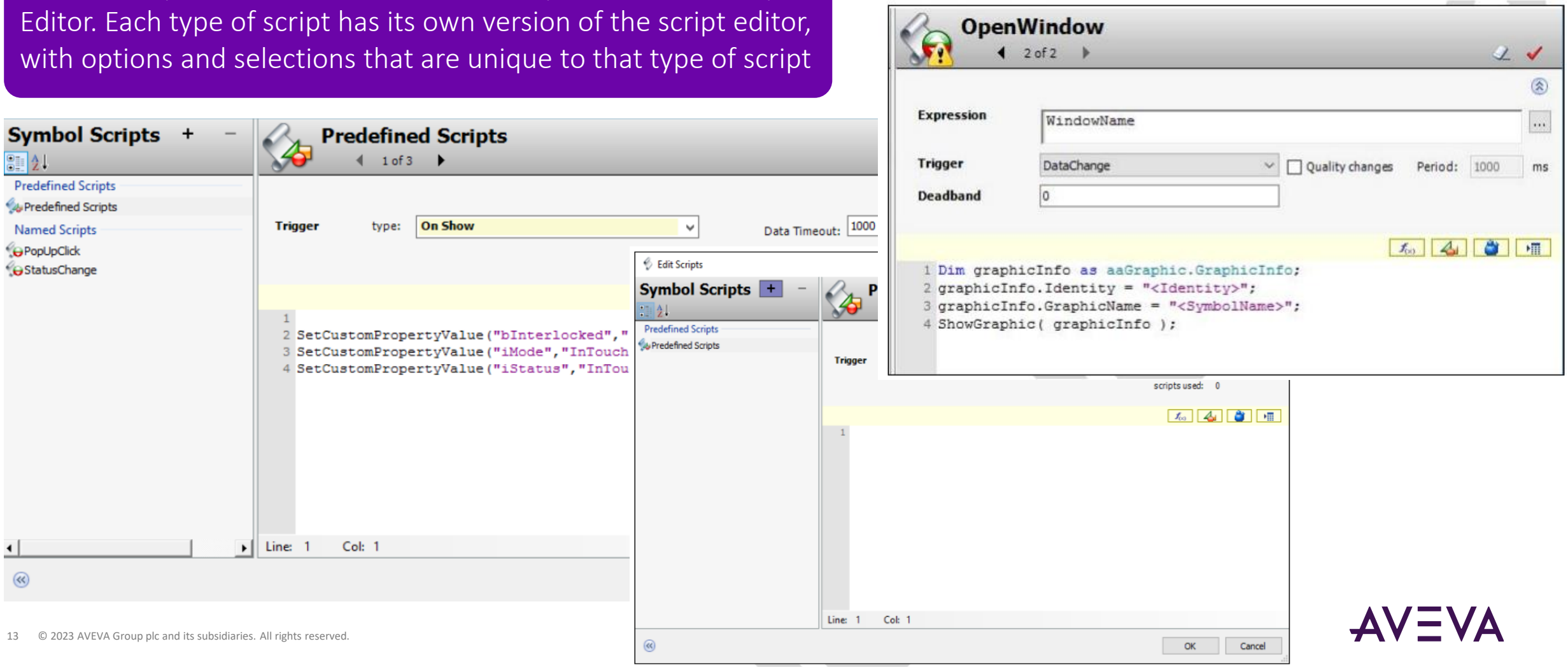
Industrial Graphic QuickScript.NET Editor

Use the script editor to create and edit scripts within the Graphic Editor. Each type of script has its own version of the script editor, with options and selections that are unique to that type of script



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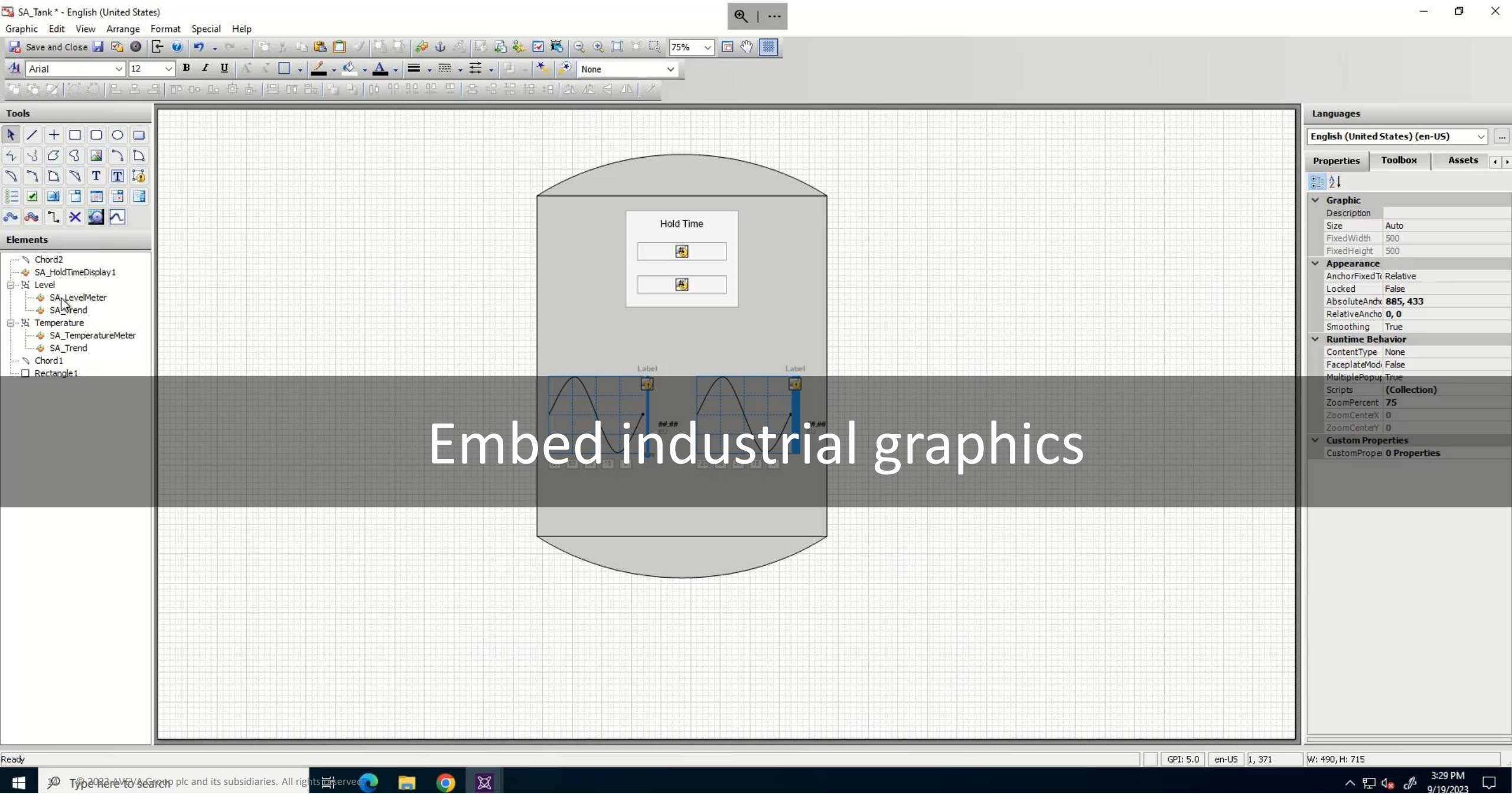

Embed industrial graphics

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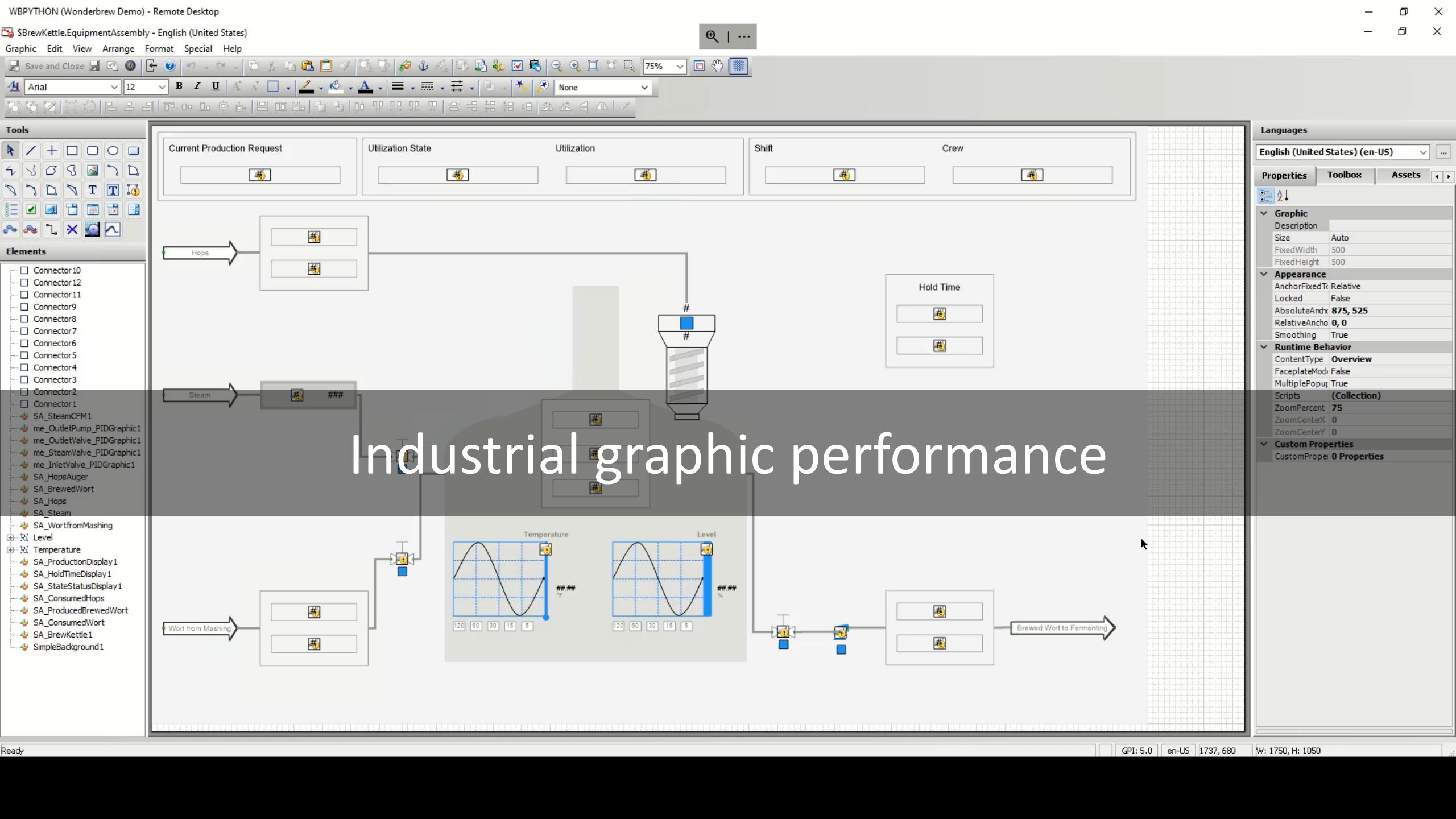
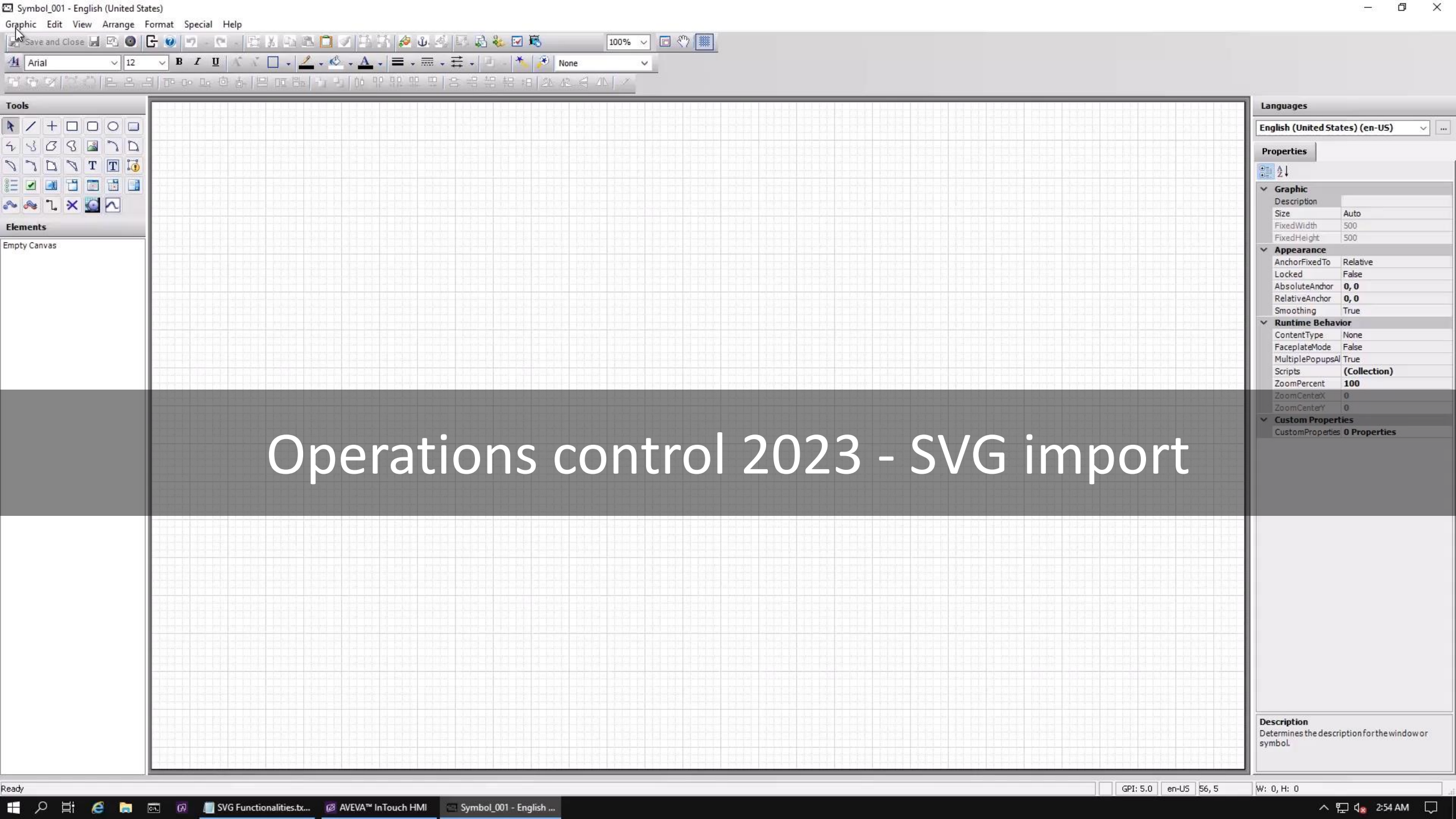


Industrial graphic performance

AVEVA Industrial Graphics
Most powerful visualization engine in the world



Operations control 2023 - SVG import

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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