AVEVAWORLD
PARIS

AVEVA WORLD
PARIS

OCTOBER 2024

Roadmap: AVEVA™ Edge software

Driving efficiency for plant floor monitoring and control

Rickard Norin, Senior Product Manager – Operations Control Edge

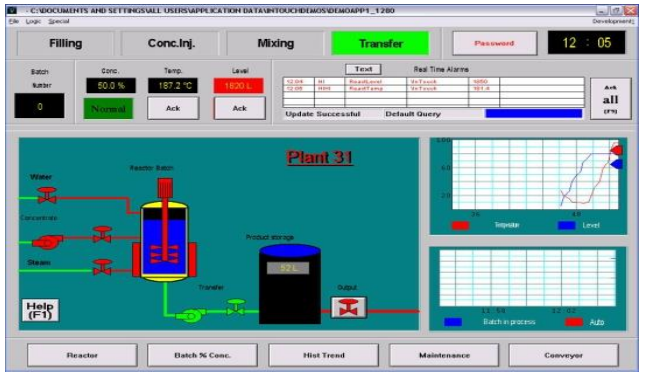
AVEVA

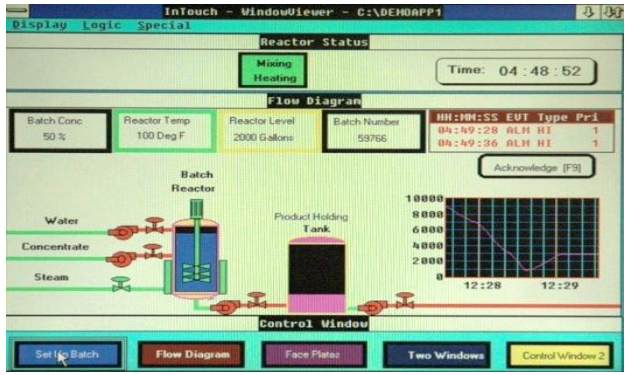
An unprecedented journey

90s

2000s

2010s





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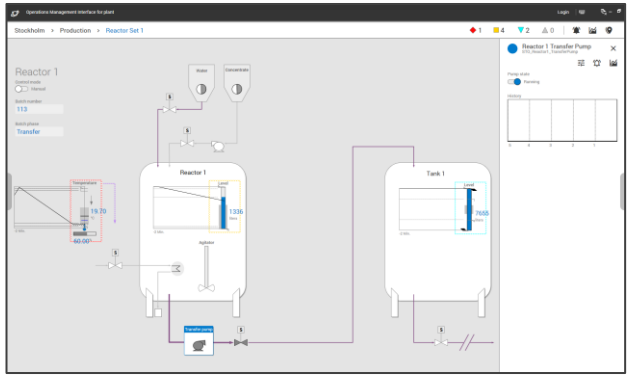
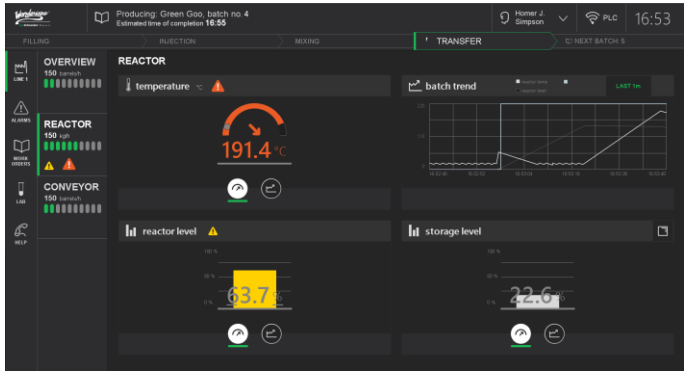
An unprecedented journey

2010s



2020s

Today



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A new journey begins now!

AVEVA™ InTouch HMI & AVEVA™ Edge are undergoing fundamental modernization, workflow enhancements, and unification

- Modernization at an accelerated rate
- Emphasis on the legendary ease of use and productivity that the brands are known for
- Continued commitment to protecting investments and providing incremental value

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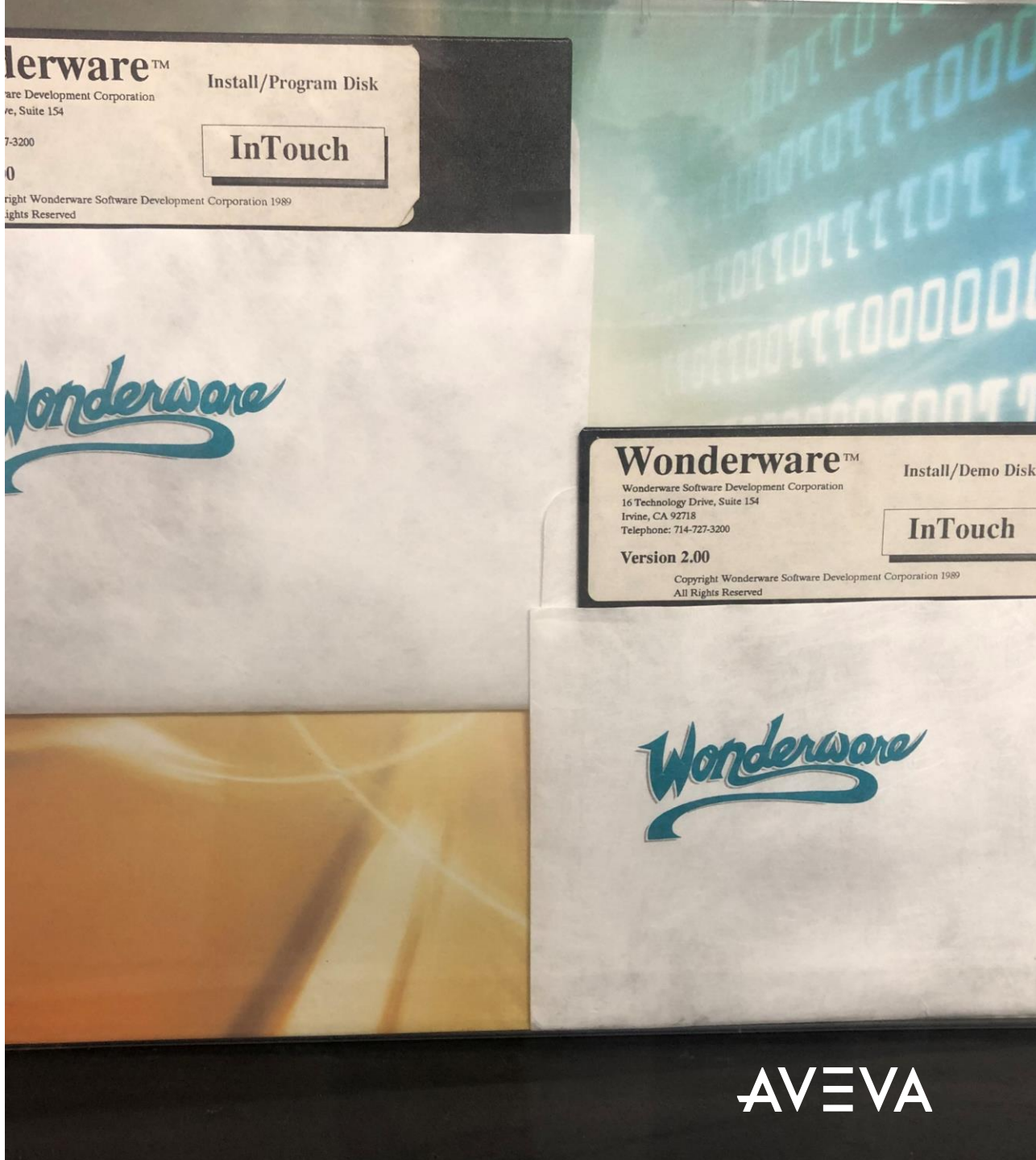
Acquisition & installation

While the format has changed over the years, the AVEVA™ InTouch HMI installer has always been rooted in – and constrained by – the notion of a disk

- Floppy disks
- Optical disks
- Virtual disks

Increasingly complex post-install configuration



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Acquisition & installation

While the format has changed over the years, the AVEVA™ InTouch HMI installer has always been rooted in – and constrained by – the notion of a disk

- Floppy disks
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- Virtual disks

Increasingly complex post-install configuration

Coming up: Embrace digital software delivery

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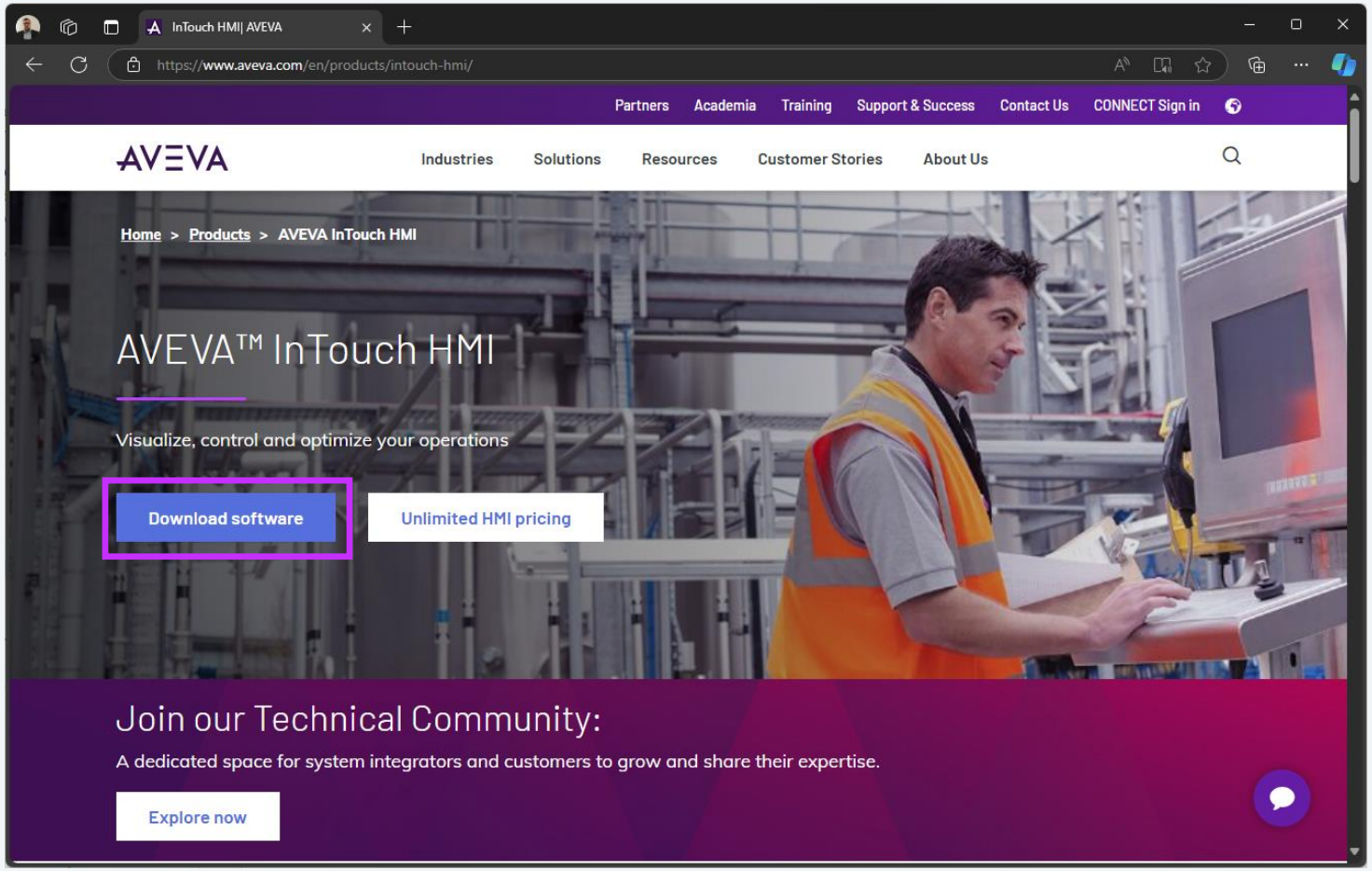
Self-service access to AVEVA™ InTouch HMI via AVEVA.com

Available today

Step 1: Easy Access to AVEVA™ InTouch HMI directly from product page after self-service registration

Step 2: The installer…



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Prototype

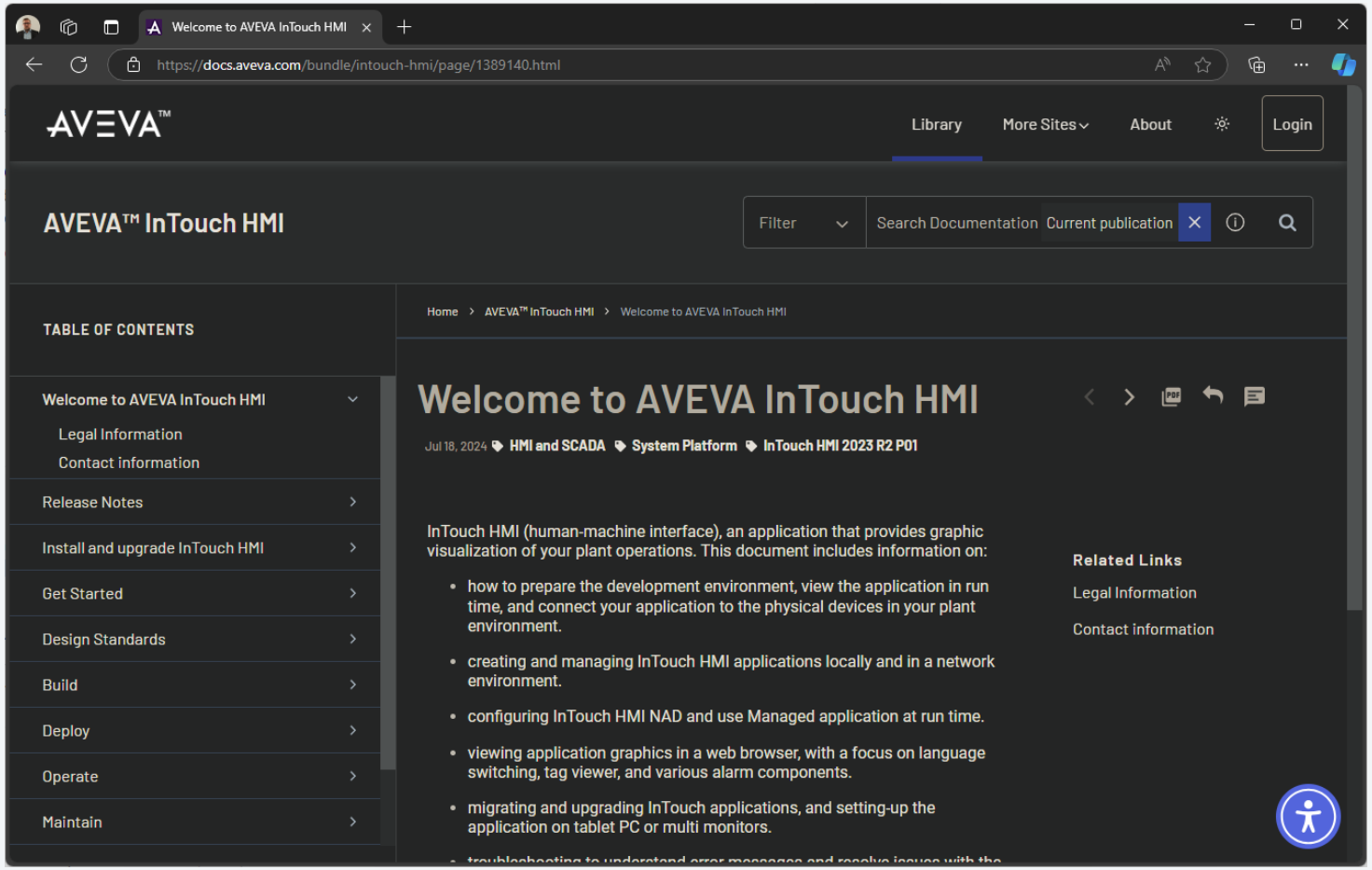
InTouch HMI Installer

AVEVA

Publicly accessible documentation at docs.aveva.com

Open access to AVEVA™ InTouch HMI product documentation

Available today



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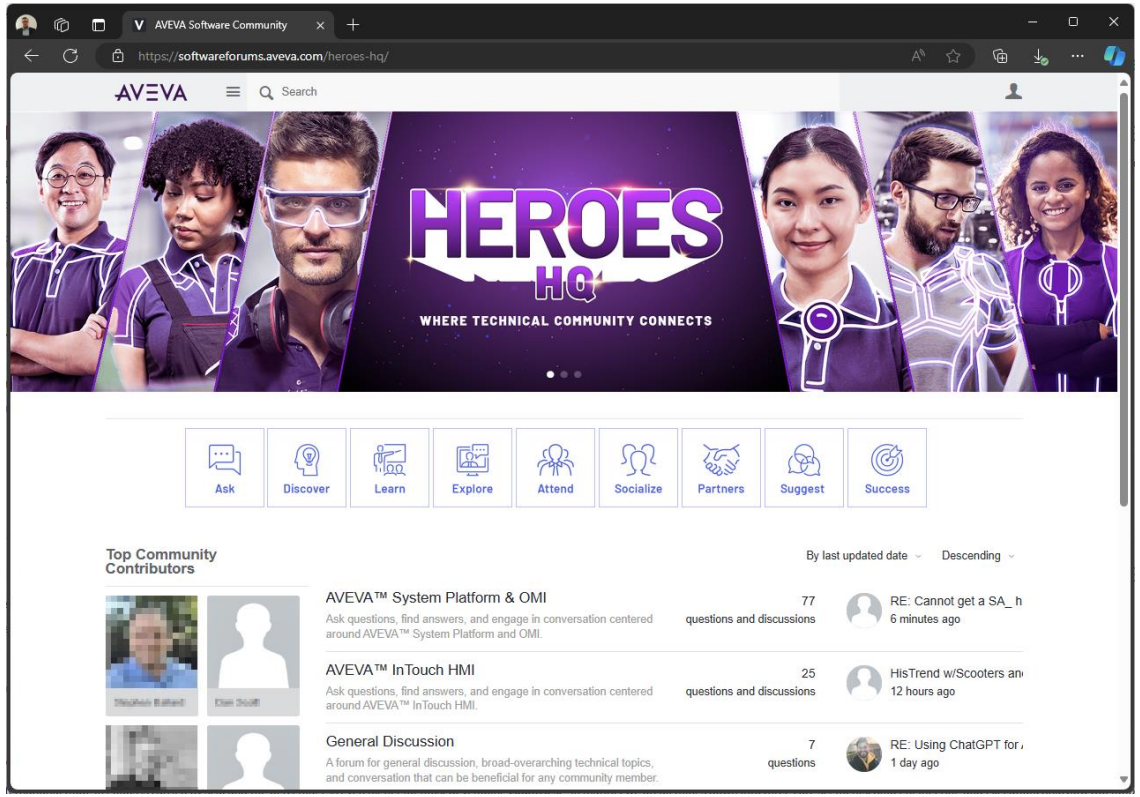
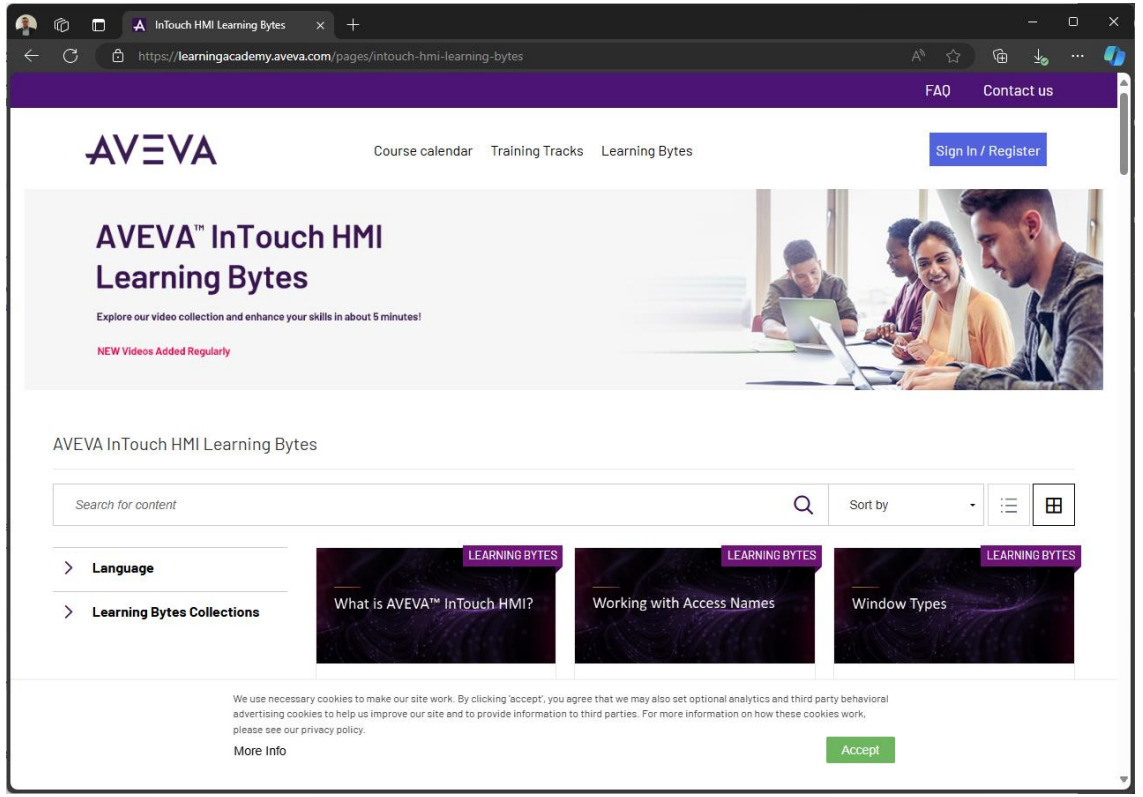
Need inspiration, or to exchange ideas with peers?

Available today



https://softwareforums.aveva.com/heroes-hq/



https://learningacademy.aveva.com/pages/intouch-hmi-learning-bytes

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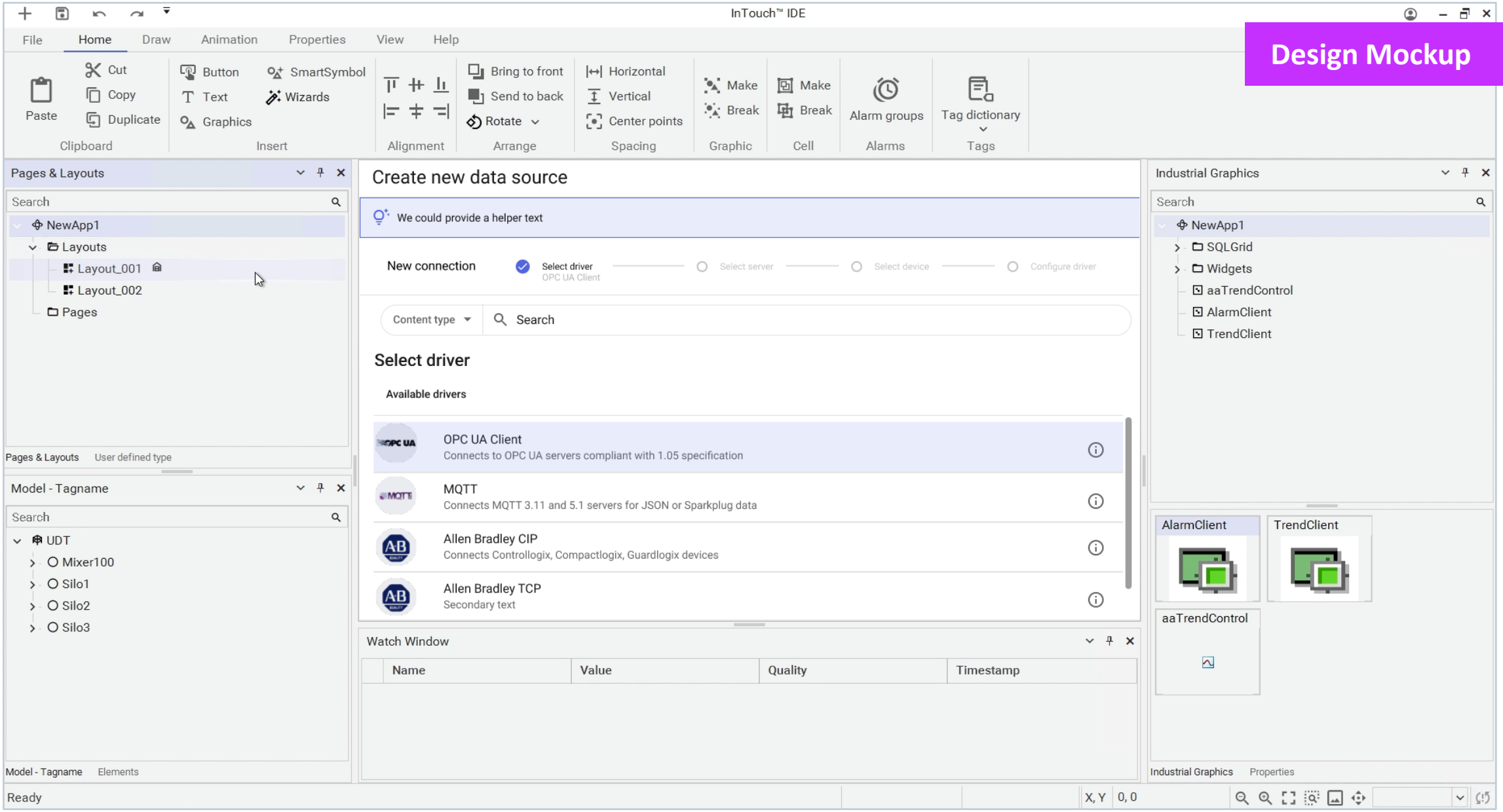

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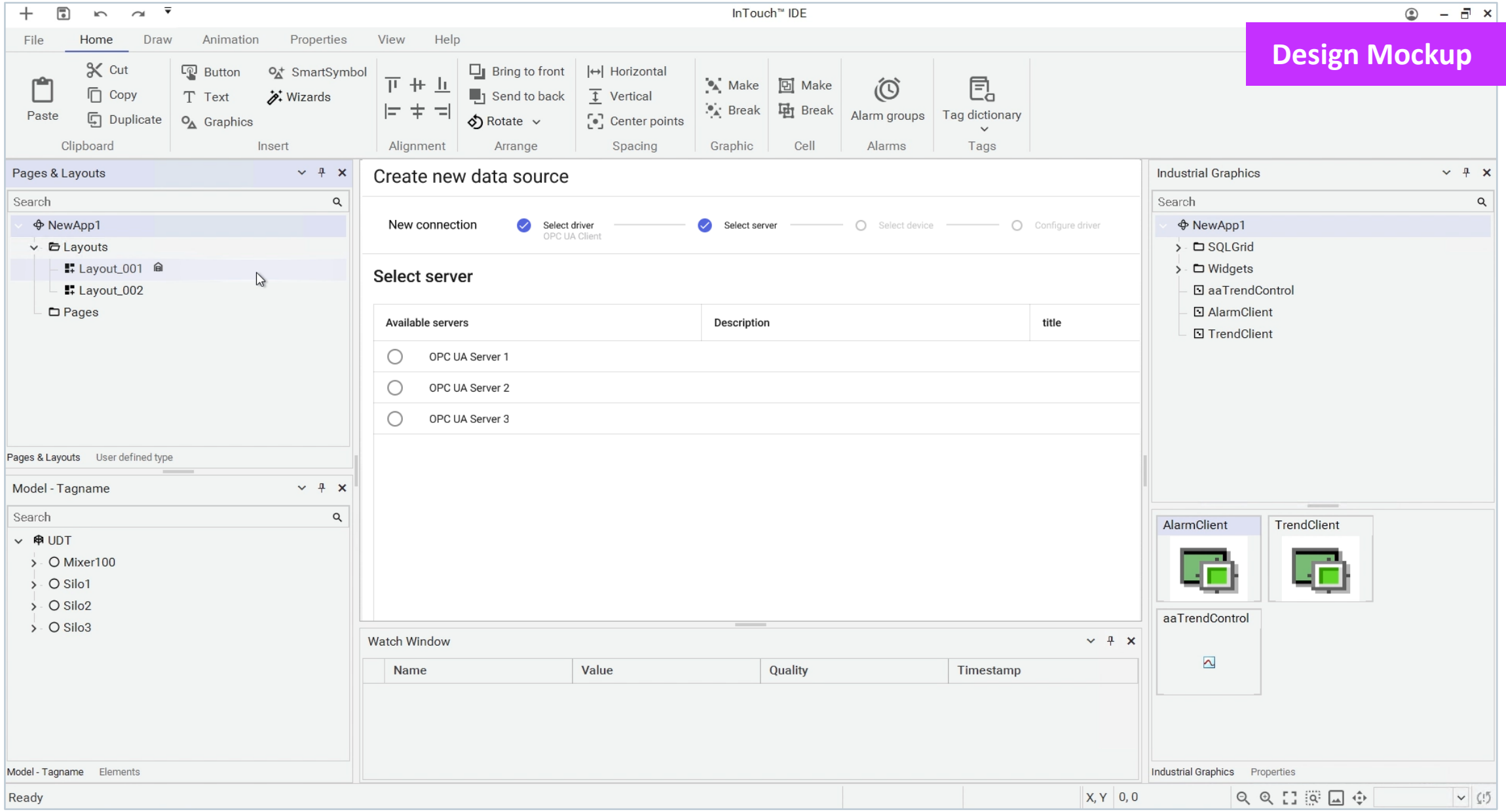
Design Mockup



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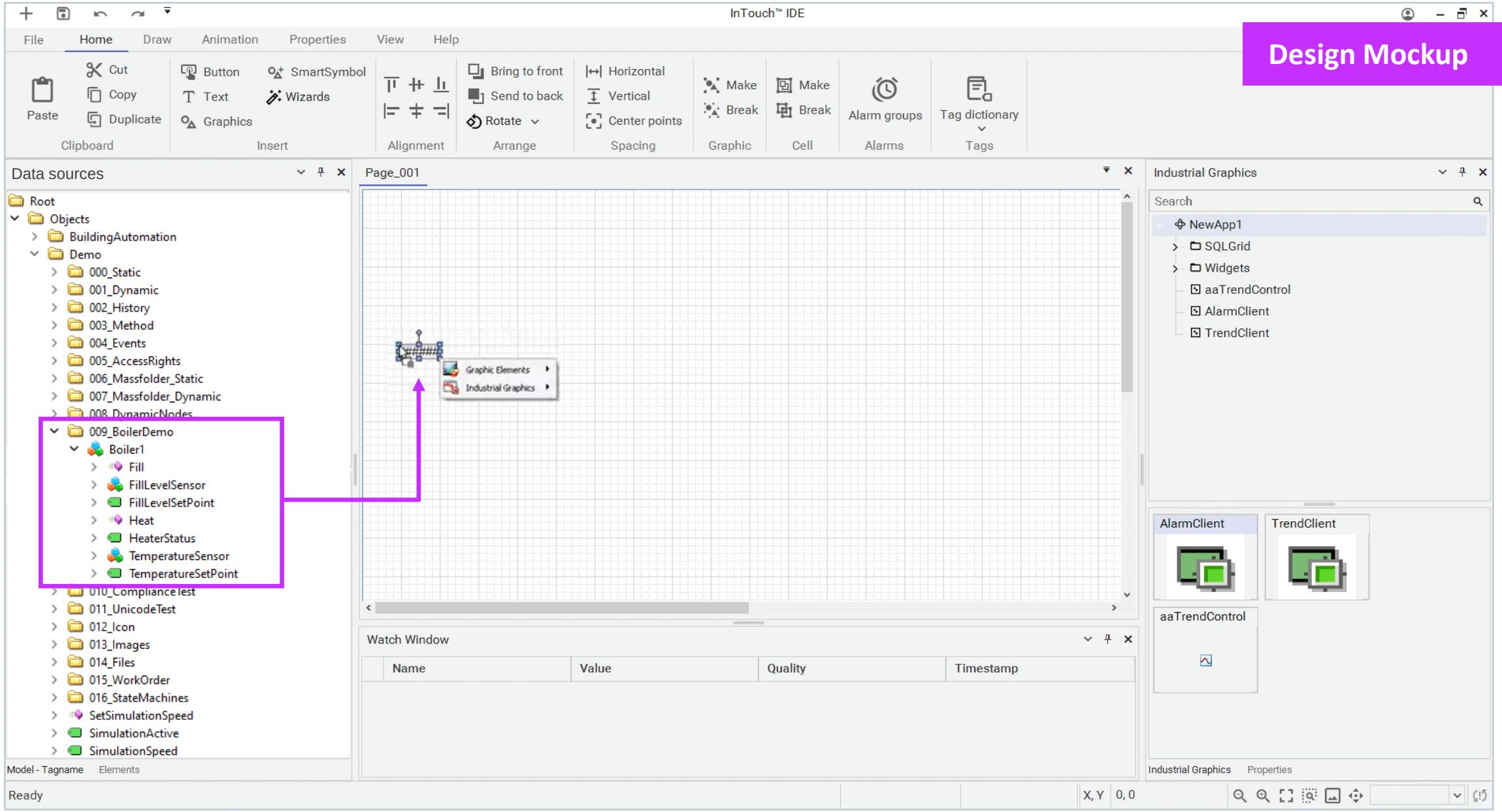
Design Mockup



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Prototype

Tag Engine

Allan Beckman

August 2024

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Many more enhancements

Beginning to refactor the runtime as 64-bit process

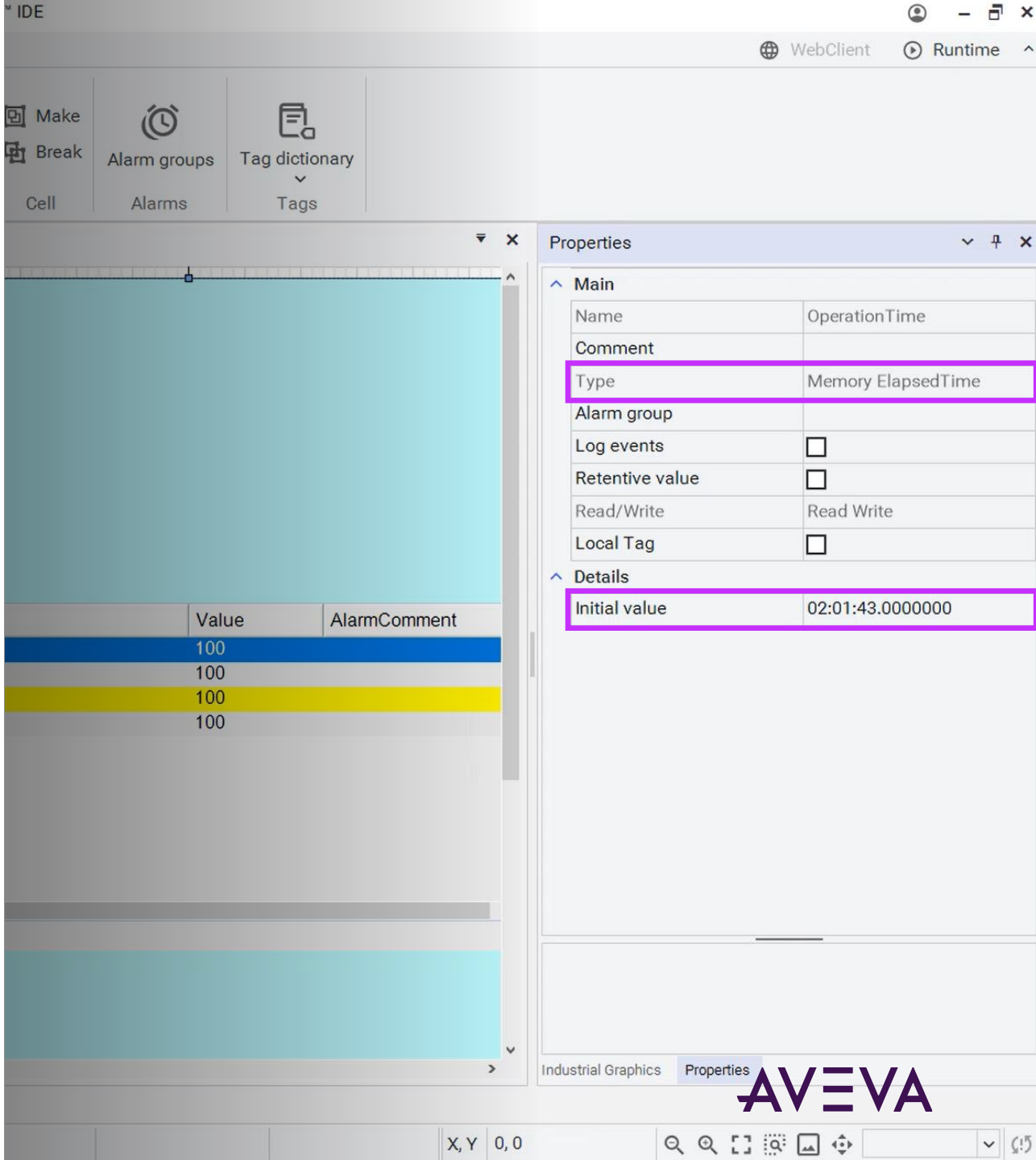
Adopting contemporary terminology

Old	New
Discrete	Bool
Integer	Integer
Real	Float
Message	String

Unlimited length string tags

New data types

- Double
- ElapsedTime
- More to come



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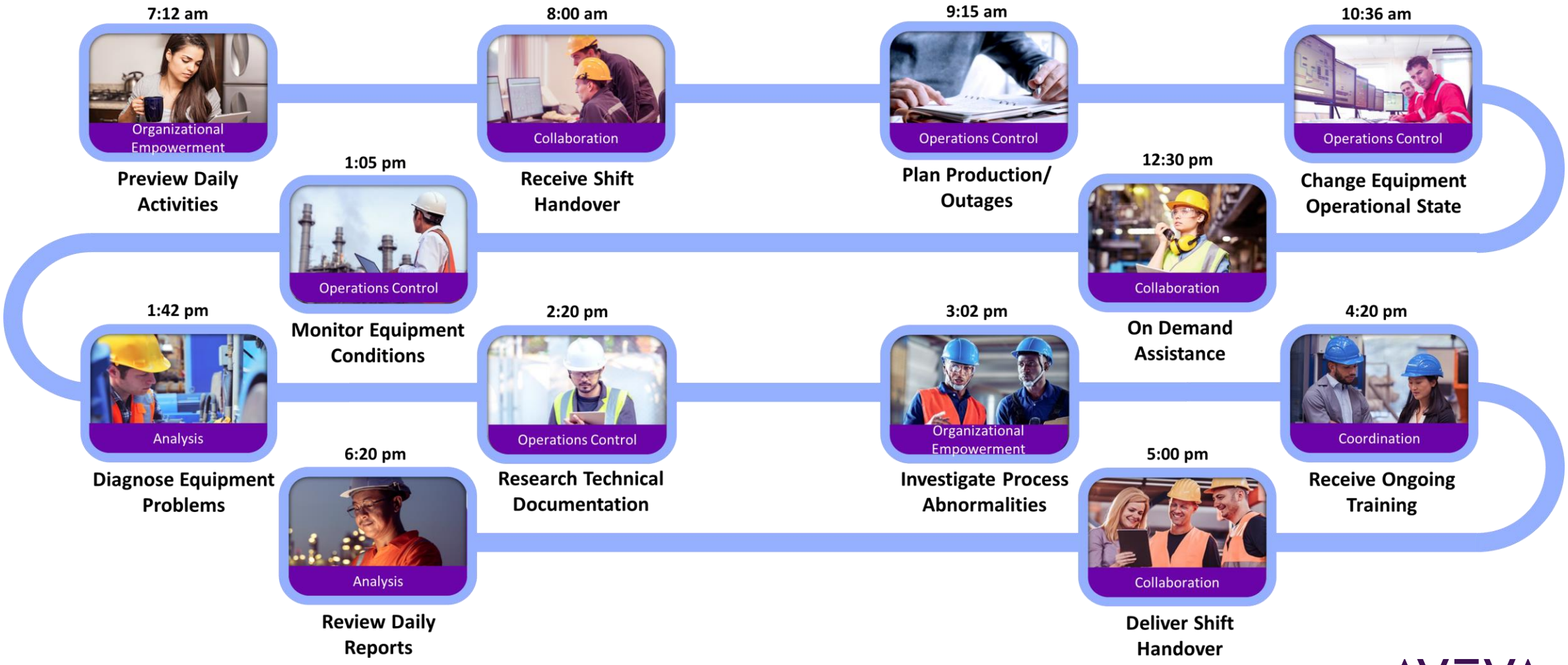
Operations – a day in life

Enabled by AVEVA™ Operations Control – hybrid SaaS solution



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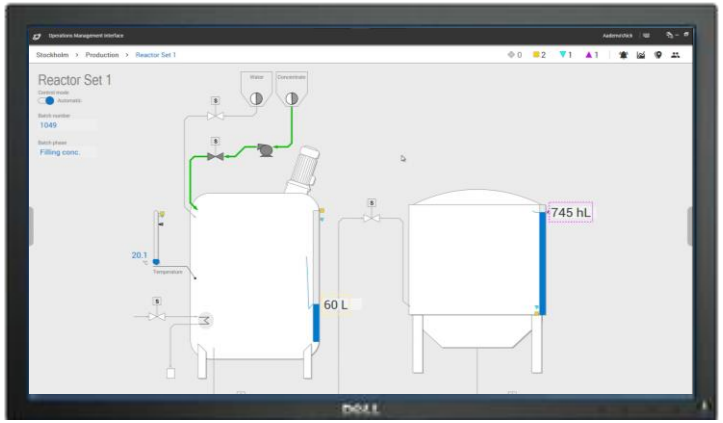
Traditional presence at the edge



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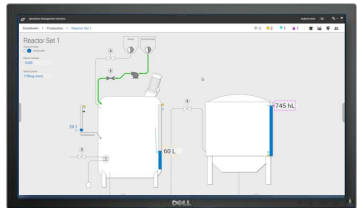
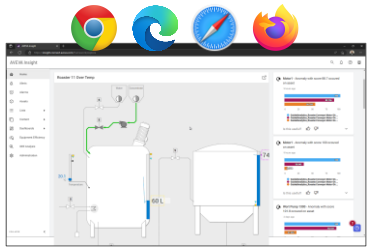
Expanded presence





Process network

Corporate WAN

in range

out of range

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Expanded presence

Collaboration thrives with unambiguous and consistently-visualized information

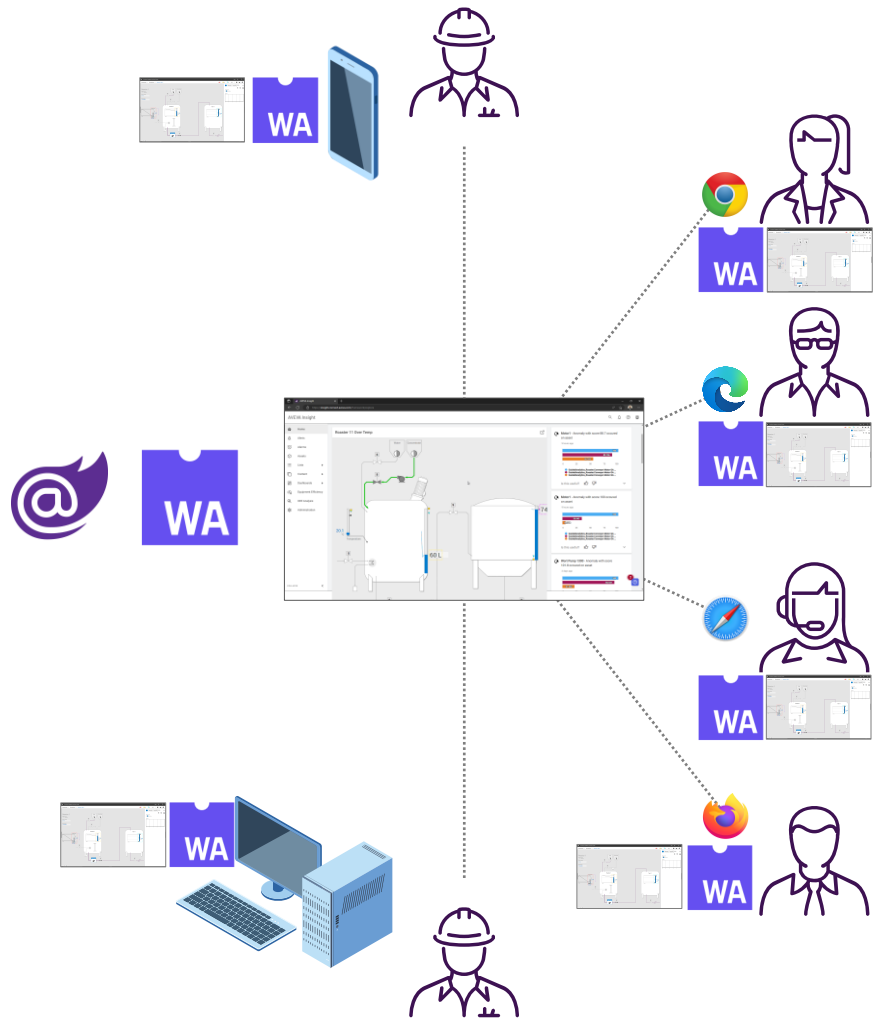
One graphics technology
Rich immersive AVEVA™ Industrial Graphics

- Organized by Layouts

One rendering mechanism
Same code across all devices and form factors means a single graphics features set, pixel-perfect consistency

- Highly performant and scalable client-side application

[Optional] One commercial model
Access unlimited data for unlimited applications through unlimited devices with a single license



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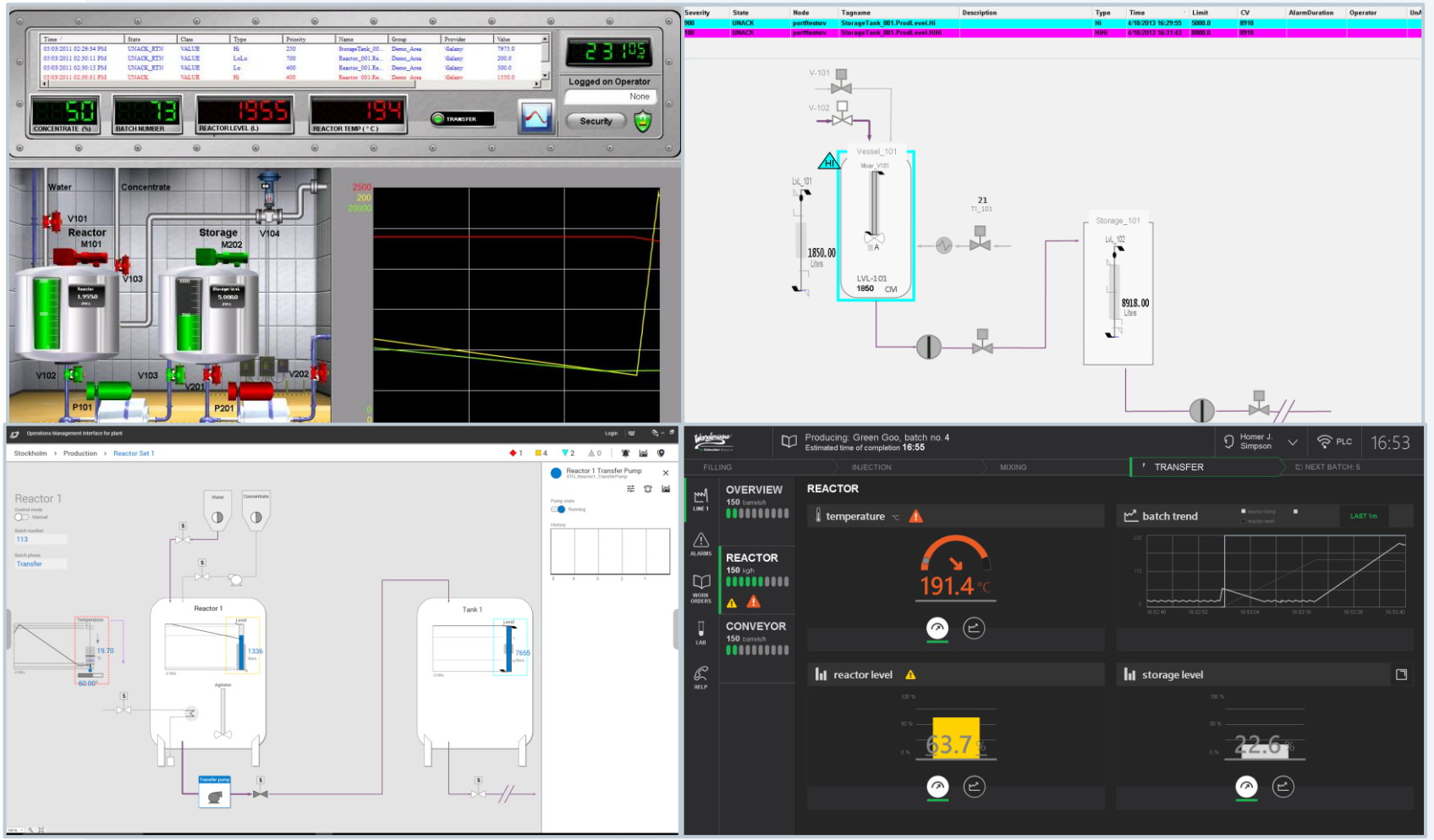
Same application – different UX design philosophies

This is the flexibility of AVEVA Industrial Graphics

Available today



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Designer & developer collaboration

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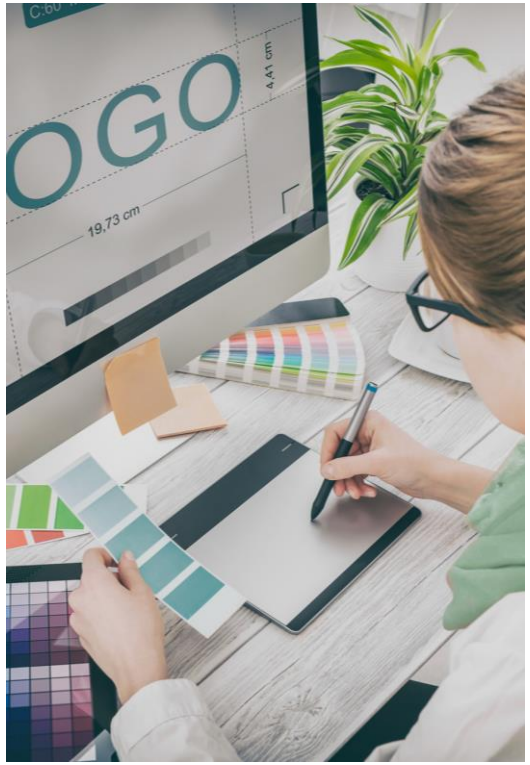
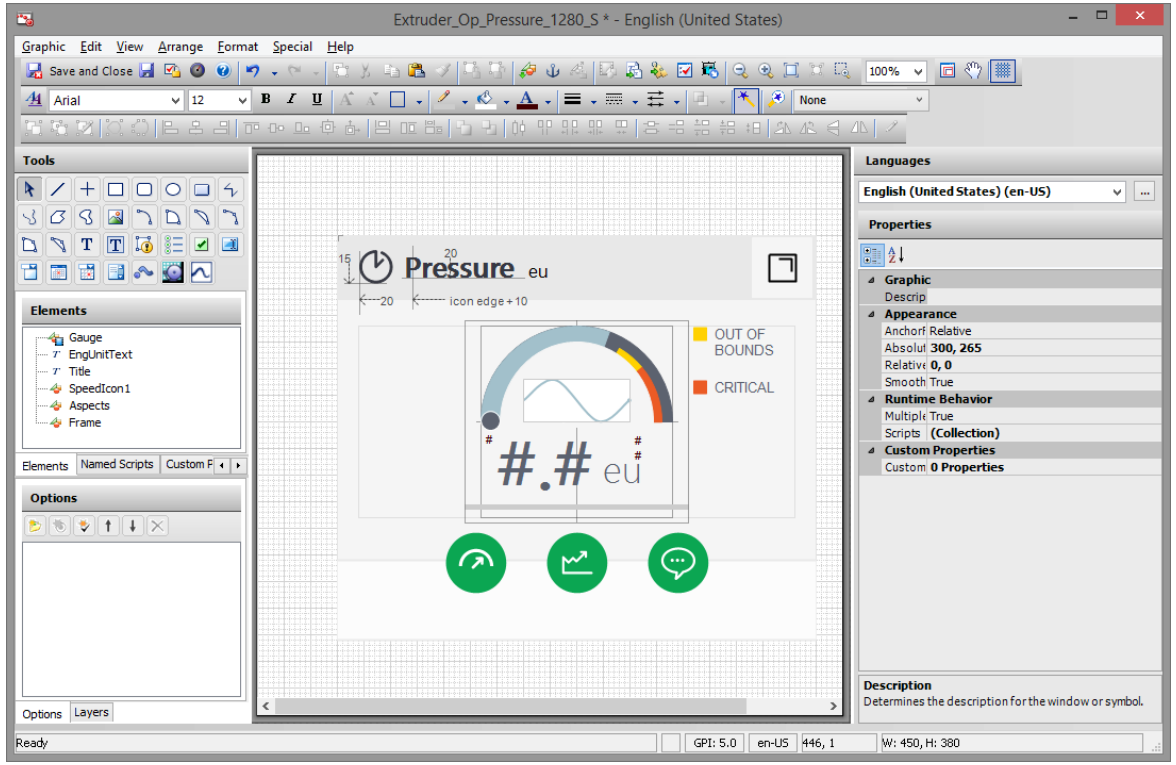
SVG import





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AVEVA HMI Design Time

Prototype

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One visualization technology across all products and services

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No license? No problem!

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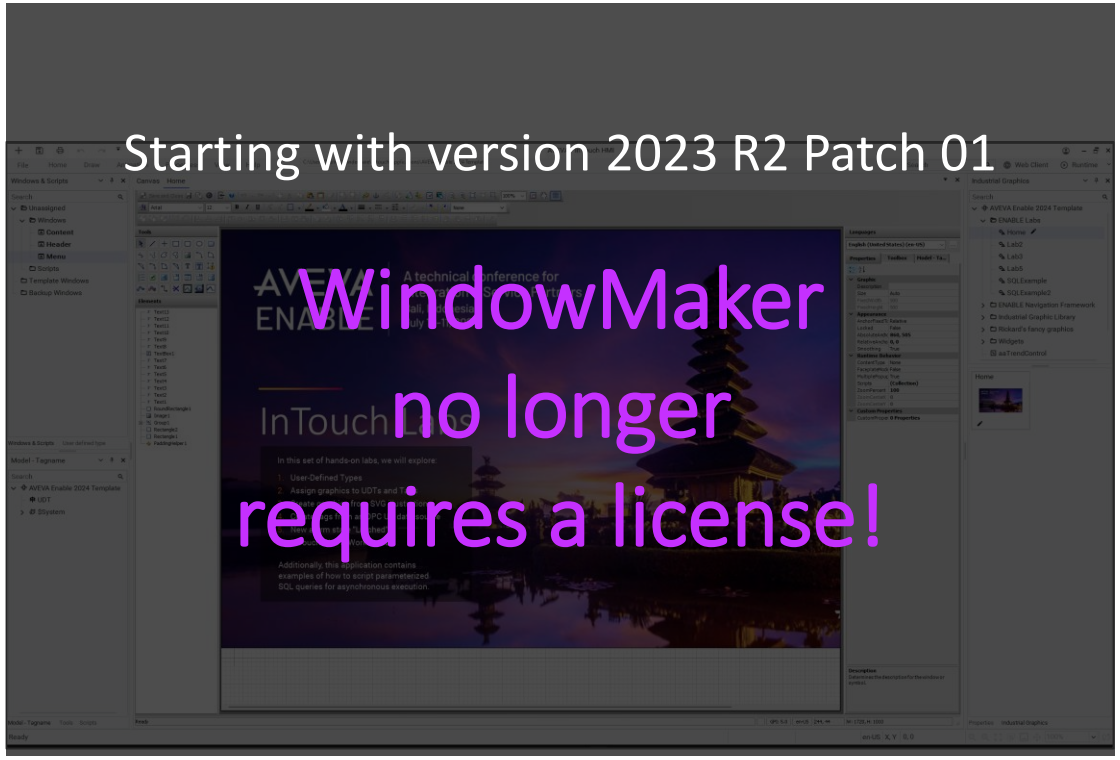
Development

Starting with version 2023 R2 Patch 01



Runtime

Starting with version 2023 R2 Patch 01

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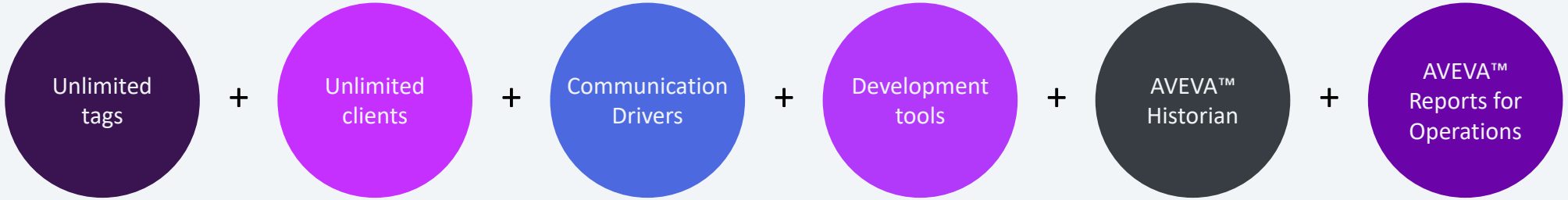
AVEVA™ InTouch Unlimited



InTouch *Unlimited* Standard
Perpetual license

Build efficient HMIs, communicate with automation devices and controllers, and log historical process data as well as alarms and events

$12,000

InTouch *Unlimited* Professional
Perpetual license

Scale up to data-intensive applications and manage multi-node deployment. Create and share self-service real-time dashboards. Expose application data through OPC UA Server.

$20,000

InTouch *Unlimited* Premier
Subscription

Pay-as-you-go commercial model. Same feature set as Professional, adding Unlimited Historian.

Contact distributor

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Features	AVEVA™ Operations Control (subscription only)	AVEVA™ InTouch Unlimited Premier (subscription only)	AVEVA™ InTouch Unlimited Professional ($20,000)	AVEVA™ InTouch Unlimited Standard ($12,000)
Number of tags	**Unlimited**	**Unlimited**	**Unlimited**	**Unlimited**
Number of web clients	**Unlimited**	**Unlimited**	**Unlimited**	**Unlimited**
Number of Remote Desktop clients	**Unlimited**	**Unlimited**	**Unlimited**	n/a
Historian Server tags	**Unlimited**	**Unlimited**	5,000 tags	500 tags
Communication Drivers, incl. OPC UA, MQTT	**Unlimited**	Professional Edition	Professional Edition	Standard Edition
Licensed nodes	**Unlimited**	2	1*	1*
AVEVA Reports for Operations	Included	Included	Included	
SaaS entitlements (Teamwork, InSight, Dev Studio)	Included			

* Redundant standby node at ½ price

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Roadmap to a unified AVEVA Edge offer

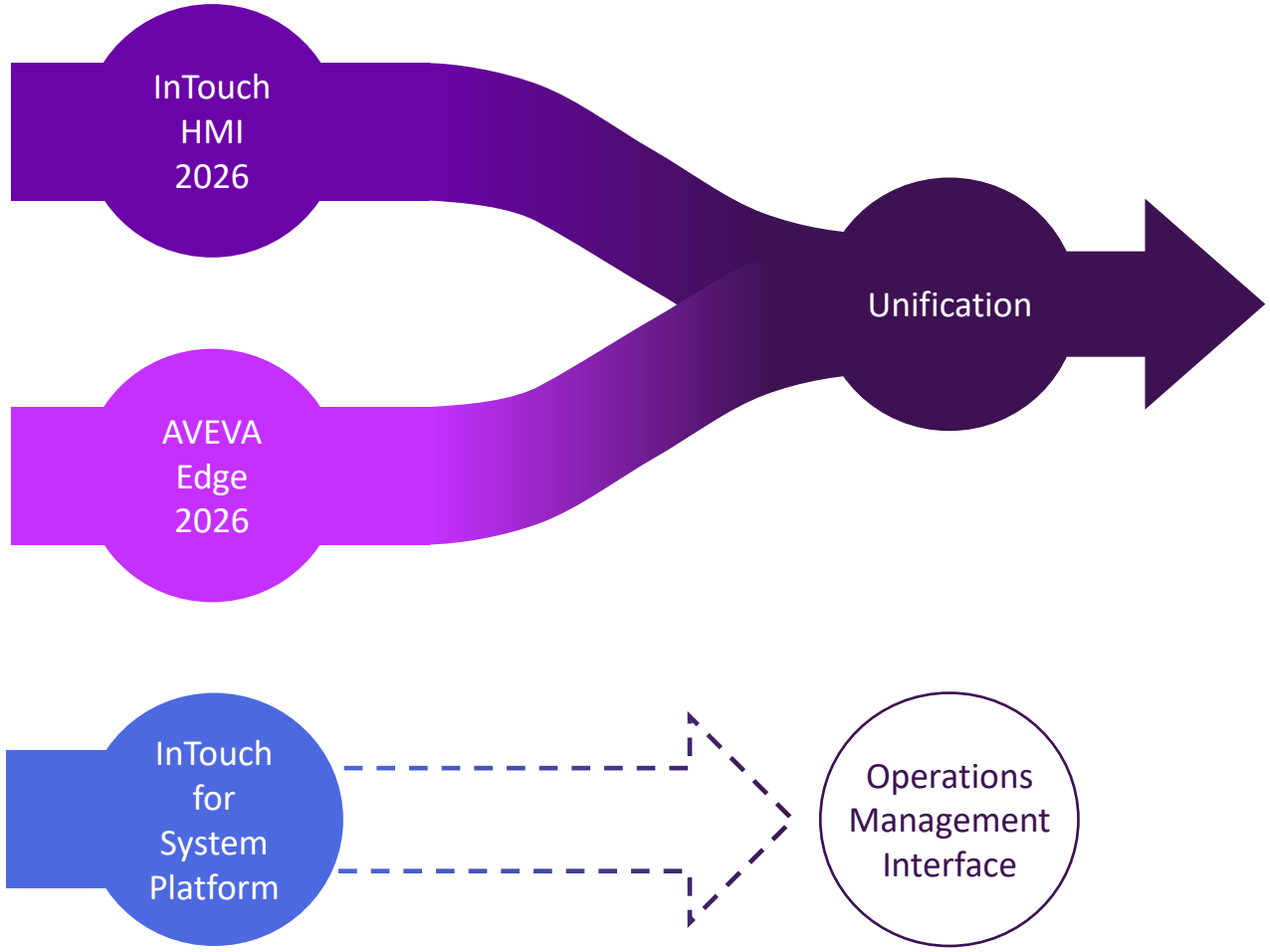
AVEVA™ InTouch HMI – significant modernization in CY 2025

- Modernized and streamlined installation experience
- Edge-driven development + many UX improvements
- Modernized and unified visualization framework
- [Partial] 64-bit platform-independent runtime
  - Data type enhancements

AVEVA™ Edge – close gaps and drive co-innovation

- Python scripting – expand across portfolio
- Quality of life enhancements
- MQTT enhancements

Ramp up migration support for AVEVA™ InTouch for System Platform to OMI



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More about AVEVA™ Operations Control Edge

Deep dive into the latest enhancements!

Visit the innovation zone!

Name
AVEVA InTouch HMI: Deep dive into latest enhancements

Time
2:45 PM - 3:15 PM

HMI/SCADA

Description
Discover the technical and commercial innovations in AVEVA InTouch HMI 2023 R2. Join this session for tips and tricks on the world's most popular HMI software including:

How UDTs (User Defined Types) can provide engineering efficiency for your development teams
The latest use cases and features of AVEVA InTouch HMI's web client
How to move your plant floor data to the cloud using integrations with AVEVA InTouch HMI, AVEVA Teamwork and AVEVA Insight

Speakers
Scott Kortier - AVEVA

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ABOUT AVEVA

AVEVA is a world leader in industrial software, providing engineering and operational solutions across multiple industries, including oil and gas, chemical, pharmaceutical, power and utilities, marine, renewables, and food and beverage. Our agnostic and open architecture helps organizations design, build, operate, maintain and optimize the complete lifecycle of complex industrial assets, from production plants and offshore platforms to manufactured consumer goods.

Over 20,000 enterprises in over 100 countries rely on AVEVA to help them deliver life's essentials: safe and reliable energy, food, medicines, infrastructure and more. By connecting people with trusted information and AI-enriched insights, AVEVA enables teams to engineer efficiently and optimize operations, driving growth and sustainability.

Named as one of the world's most innovative companies, AVEVA supports customers with open solutions and the expertise of more than 6,400 employees, 5,000 partners and 5,700 certified developers. The company is headquartered in Cambridge, UK.

Learn more at www.aveva.com

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