



AVEVAWORLD

ACCELERATE INDUSTRIAL INTELLIGENCE

AVEVA WORLD MILAN, MAY 2026

Intelligence on the Plant Floor AVEVA™ Operations Control Edge Roadmap

Rickard Norin, Senior Product Manager, AVEVA

AVEVA

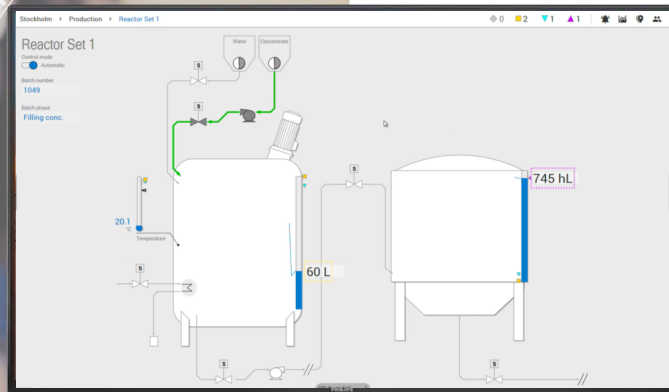
Rickard Norin

Senior Product Manager

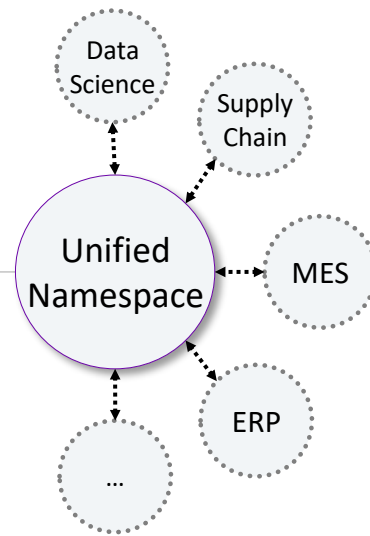
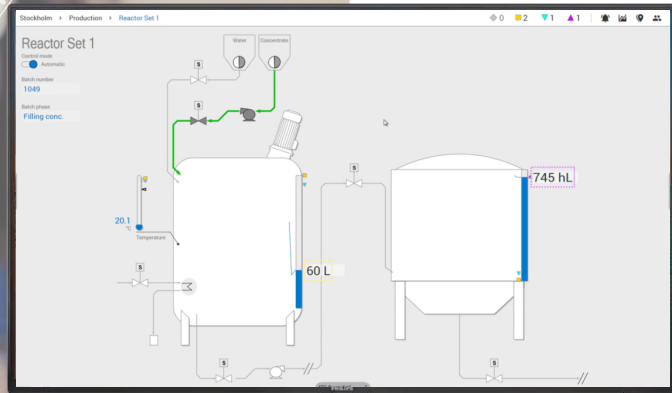
- AVEVA
- rickard.norin@aveva.com



Traditional vs Modern at the Industrial Edge



Traditional vs Modern at the Industrial Edge



OPC UA

Sparkplug[®]
MQTT.ORG

{RESTful API}

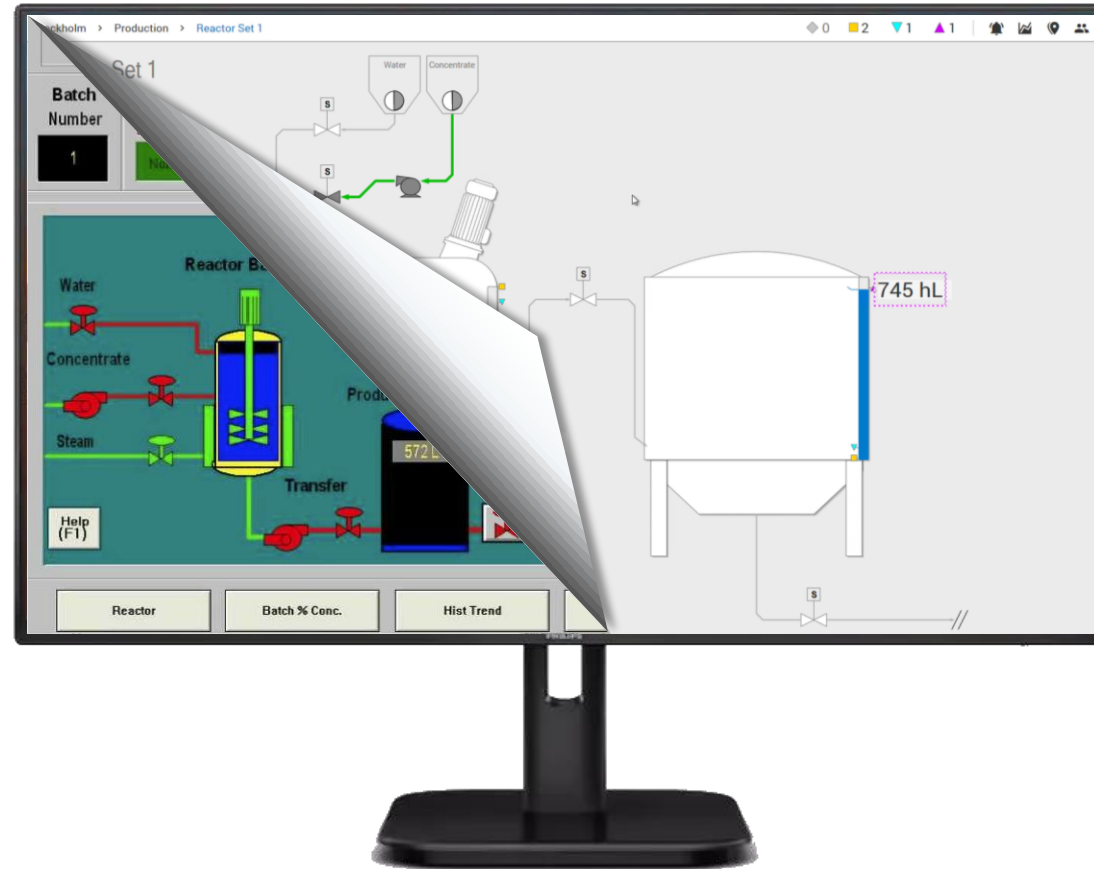
Maintain and Modernize

Retain support for legacy tools and features

- Flat tag dictionaries
- InTouch legacy graphics
- InTouch QuickScript
- Edge VBscript
- Wizards / GOT objects
- ActiveX controls
- .NET controls

Minimal improvements

- Cyber Security updates
- Enhanced migration to modern features



Invest in modern tools and features

- APIs and MCP servers
- Structured types/objects
- More base data types
- Python scripting
- C# scripting
- Web clients
- Web widgets

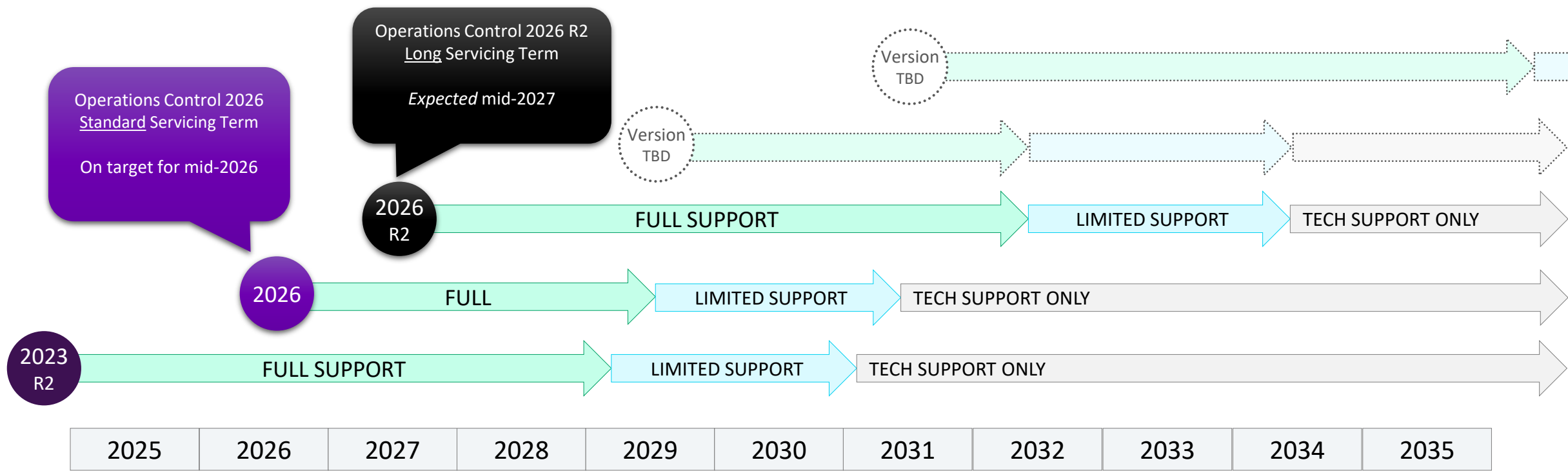
Key focal points

- Secure by default
- Expand on addressable data landscape
- Openness in all aspects

Commitment

PRELIMINARY TIMELINES

Protecting customers' investments with near lossless upgrades



Discontinued features

AVEVA™ Edge

- **Industrial Graphics** will no longer be available in AVEVA Edge.

Edge will continue focusing on its role as light-weight HMI for embedded devices and Linux, as well as a its OEM business. Talk to us about graphics conversion!

AVEVA™ InTouch HMI

- The **Workspaces** feature has been succeeded by CONNECT Visualization Services and will no longer be part of the InTouch web client.
- **Accessing individual graphics** via InTouch web client and a unique persistent URL per graphic is not possible with InTouch 2026 due to architectural changes. The possibility to reintroduce this feature is under investigation.

By centralizing ad-hoc and self-service content creation in CONNECT, organizations may more easily support a wider audience with real-time situational awareness and decision support

See CONNECT Visualization Services in Expo Booth

3 major themes for Operations Control Edge



Cyber Security



Expand on the addressable data landscape



Openness in all aspects of engineering and interoperability

3 major themes for Operations Control Edge



Cyber Security

Version 2026

- Consolidation and future-proofing of 3rd party dependencies incl. Open-Source components.
- Transition toward Named Credentials Store as replacement to credentials stored haphazardly in content.
- Expand least privilege approach for application development and management toolset.
- Expand least privilege approach for runtime services.

Version 2026 R2

- Improved security auditing capabilities.
- Establish a secure-by-default baseline.
- Device Integration protocols hardening, including adoption of communication protocol security features such as encryption and authentication where available.
- CE marking.

Expand the addressable data landscape



Expand on the addressable data landscape

Version 2026

- **Edge** supporting Unicode tag names
 - Focus on CJK Unified Ideographs
 - Sorry, no emojis 🙅
- **InTouch** UDT enhancements
 - Methods-style scripts as UDT members
 - UDTs in hierarchical alarm groups model

What's next

Data types

- Expand primitive data types support e.g. Double, DateTime, Duration, unlimited length strings
- N-dimensional arrays.
- Read/write of atomic structured objects, including from/to external sources.

Application logic and extensibility

- Complete set of UDT scripts such as DataChange, Conditions, System Events, etc.

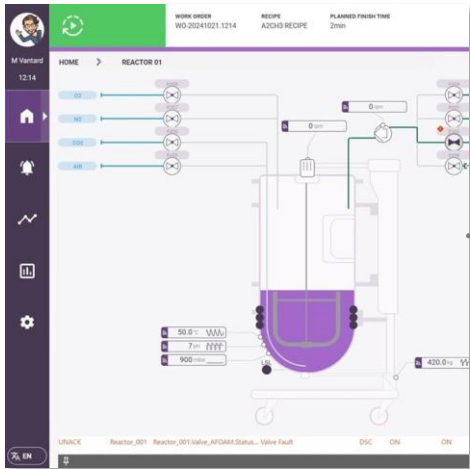
Open interoperability through JSON

ENVISIONED – SUBJECT TO CHANGE

Data Sources



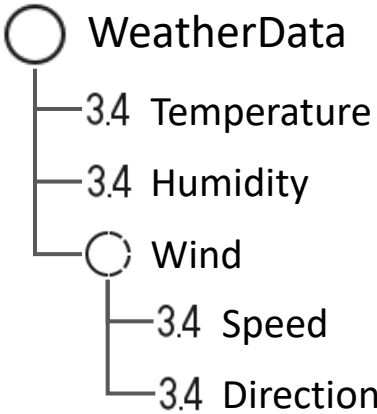
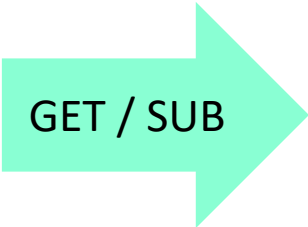
HMI Application



Data Destinations



```
{
  "Temperature": 34.0,
  "Humidity": 75%,
  "Wind": {
    "Speed" : 2.3,
    "Direction": "NNW"
  }
}
```



```
{
  "Temperature": 34.0,
  "Humidity": 75%,
  "Wind": {
    "Speed" : 2.3,
    "Direction": "NNW"
  }
}
```

Open interoperability through JSON

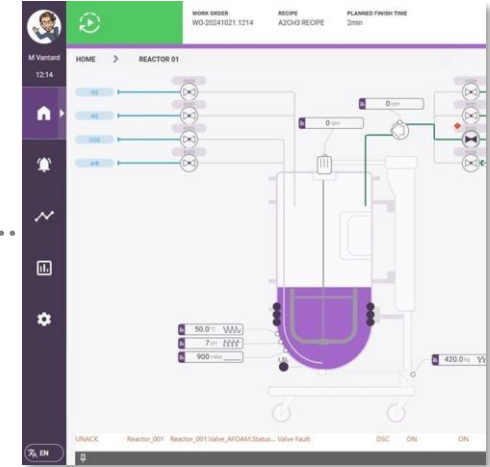
ENVISIONED – SUBJECT TO CHANGE

Data
Sources



Communication
Drivers

HMI Application



○ Status
├─ Ab locale
└─ Ab text

```
{  
  "locale": "en",  
  "text": "Idle"  
}
```

○ Status
├─ Ab locale
└─ Ab text

Open interoperability through Methods

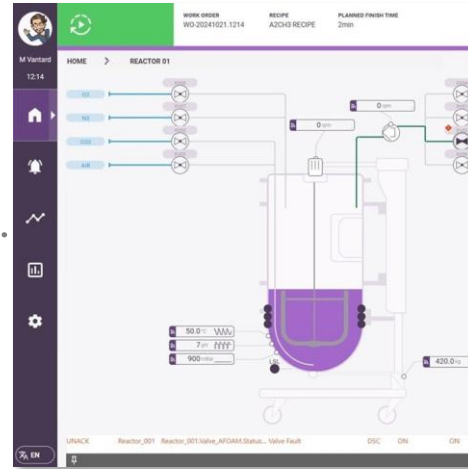
ENVISIONED – SUBJECT TO CHANGE

Data
Sources



OPC UA
DNP3
IEC 60870
HTTP/REST
...

HMI Application



3rd party
clients

OPC UA
Client

Reactor 01

3.4 FillLevel

InletValve

OutletValve

f_x AssignRecipe(...)

Extend Methods
invocation to external
data sources

Reactor 01

3.4 FillLevel

InletValve

OutletValve

f_x AssignRecipe(...)

f_x StartBatch(...)

Expose Methods in
externalized model
for invocation by
authorized clients

Reactor 01

3.4 FillLevel

InletValve

OutletValve

f_x StartBatch(...)

Openness in all aspects



Openness in all aspects of engineering and interoperability

Version 2026

Edge

- Enhanced MQTT driver (performance, compliance)

InTouch

- Phase 1 of Python and C# scripting
- Import objects from OPC UA data sources
- Import/export graphics in open XML format

Communication Drivers Pack

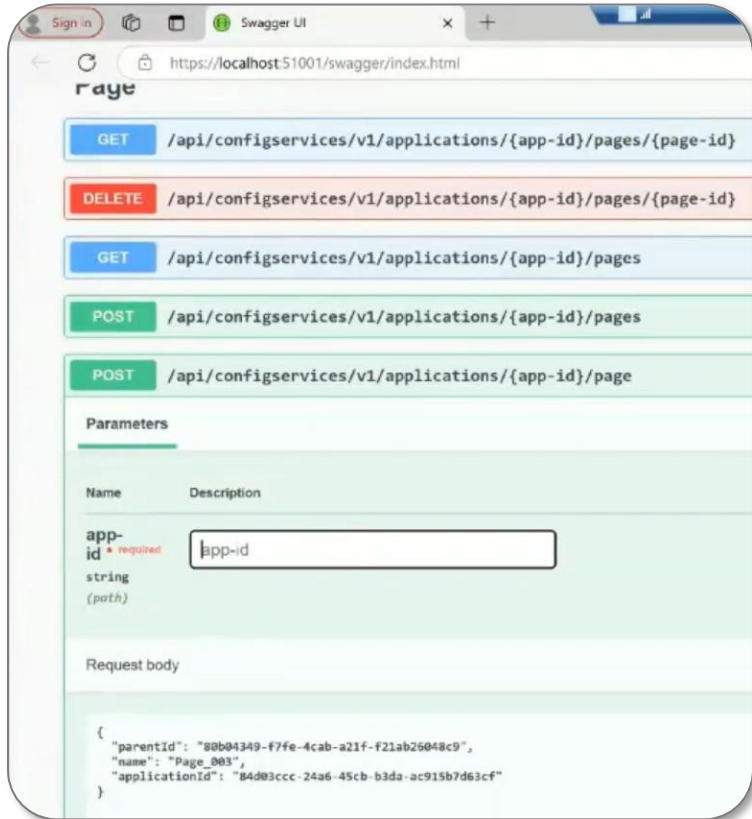
- MQTT 5 and Sparkplug 3
- MQTT Publisher enhancements targeting UNS

What's next

- Configuration management APIs and MCP servers for IDEs and Communication Drivers.
- Asset and template inference from externally browsed data models.
- Continued investment in open script languages as a complete alternative to legacy proprietary languages.
- Expand on model acquisition from data sources, including dynamic discovery of provisioned assets.
- Increased cross-portfolio interoperability for streamlined architectural flexibility.

Openness in all aspects

API-driven configuration



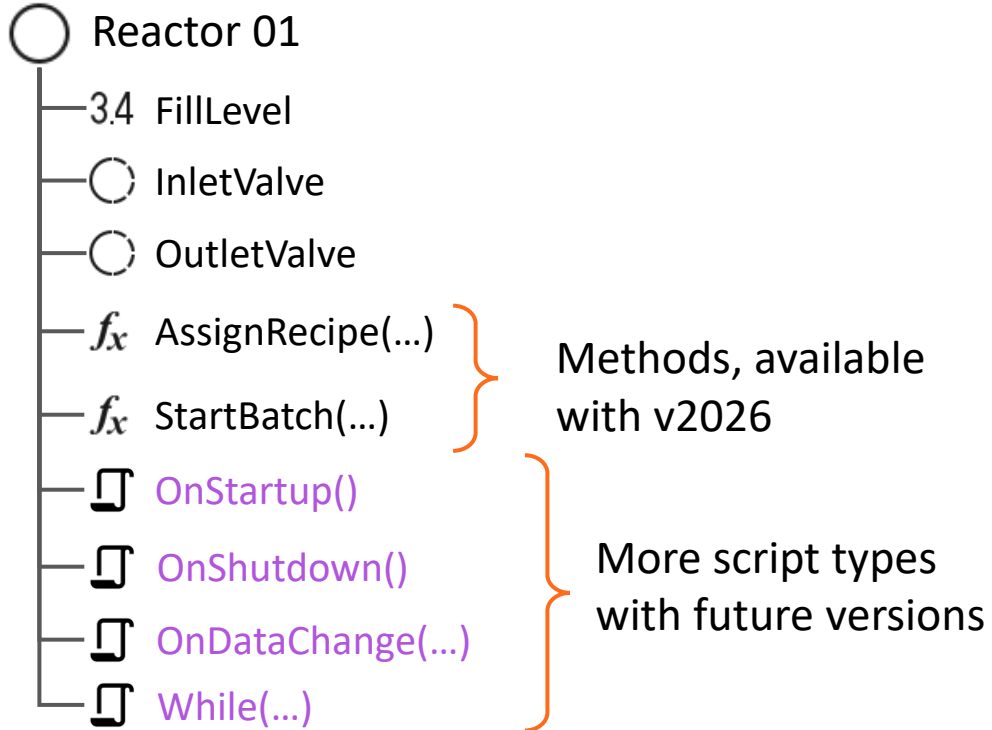
Interoperability



Logic & Extensibility



Openness in HMI development and ownership



Establish a complete set of features for a contemporary HMI application framework

- Leverage discoverable data source models and AI to generate large swaths of the data model as UDTs and derived objects.
- Extend the model with naturally integrated actions and behaviors represented by a complete set of script categories, based on open languages to maximize extensibility and cost savings in implementation.
- Process visualization based on open Industrial Graphics which are migrated from legacy content, authored in the HMI, or generated by AI agents by way of *open formats*.
- Consume through web browser, without client footprint and routable through defense-in-depth network topology by means of open standards.

Improved pairing with System Platform



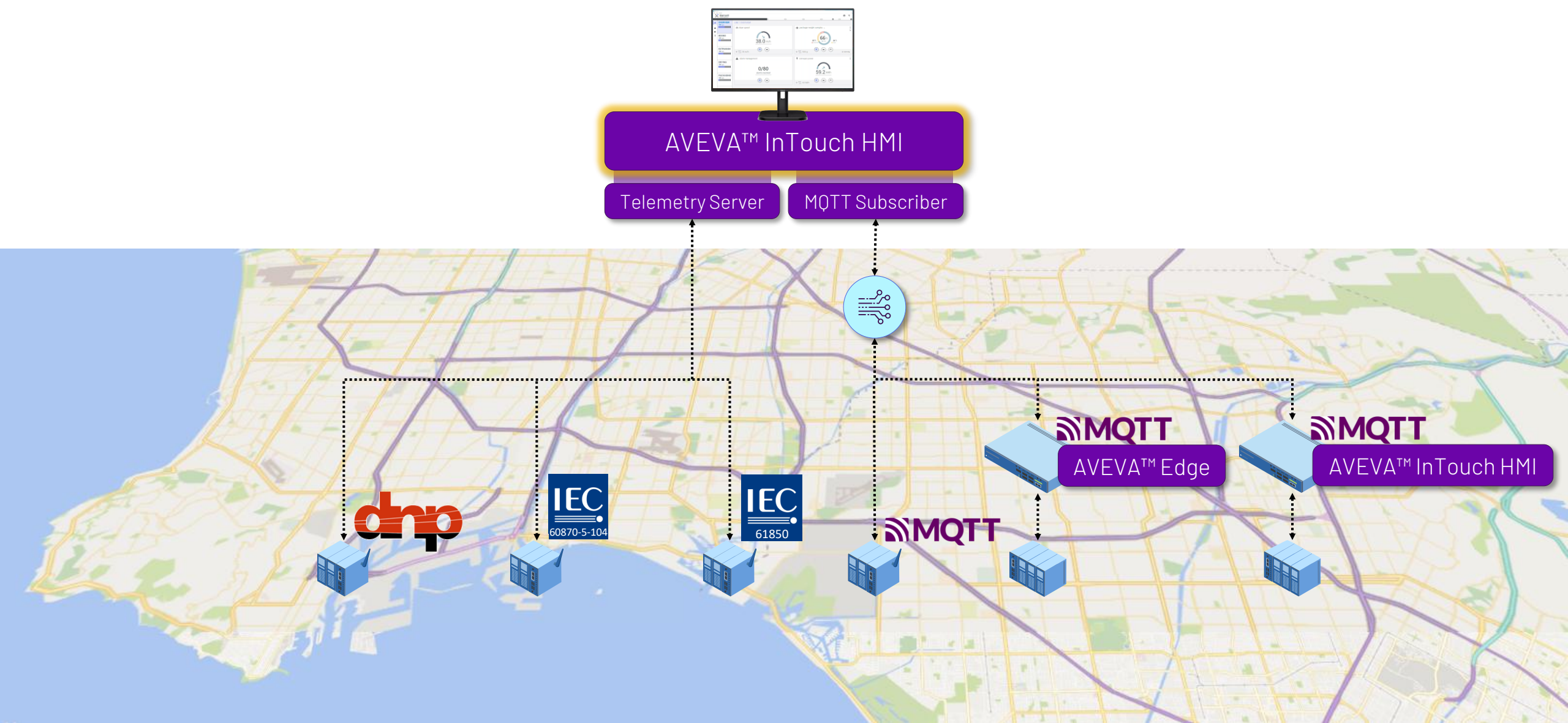
Improved pairing with System Platform

ENVISIONED – SUBJECT TO CHANGE



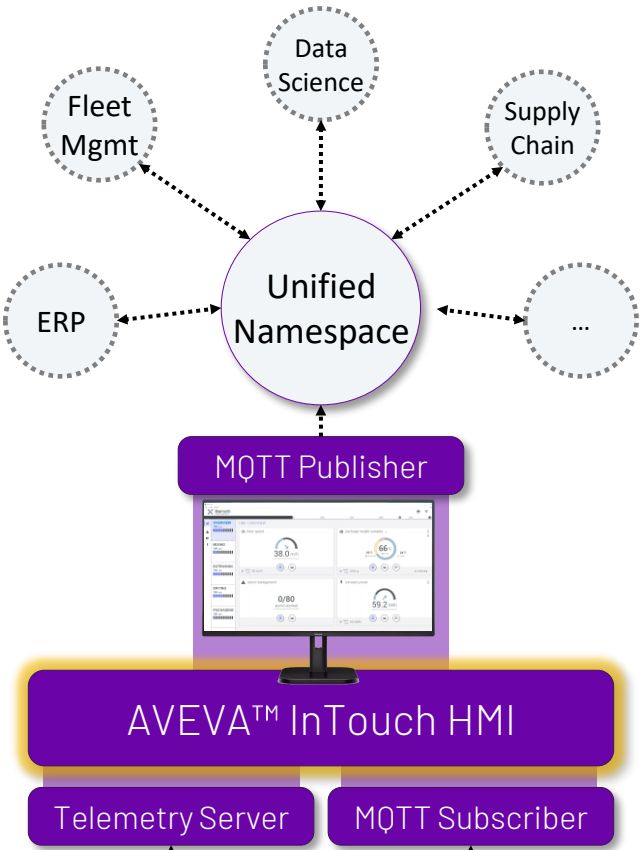
Strengthen InTouch as entry-level offer

ENVISIONED – SUBJECT TO CHANGE

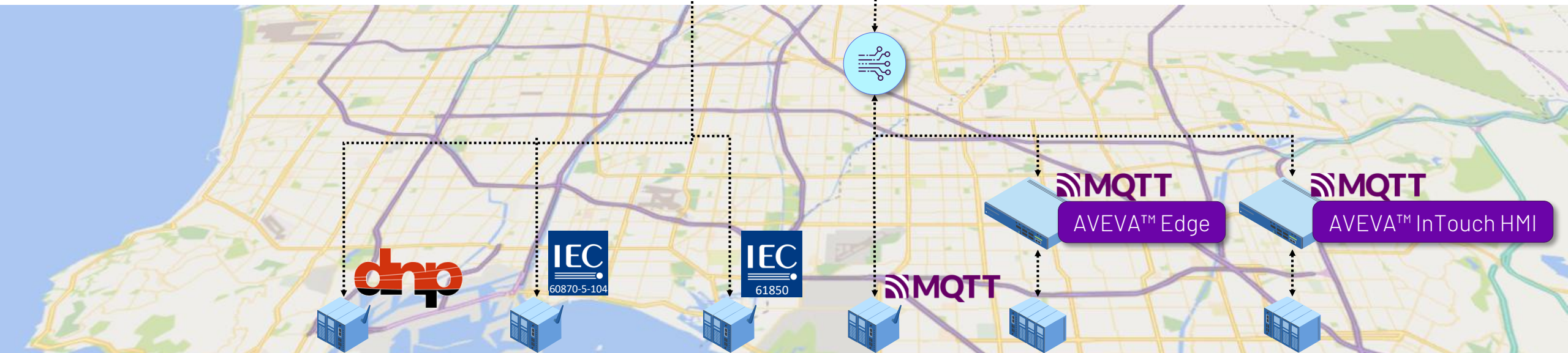


Strengthen InTouch as entry-level offer

ENVISIONED – SUBJECT TO CHANGE



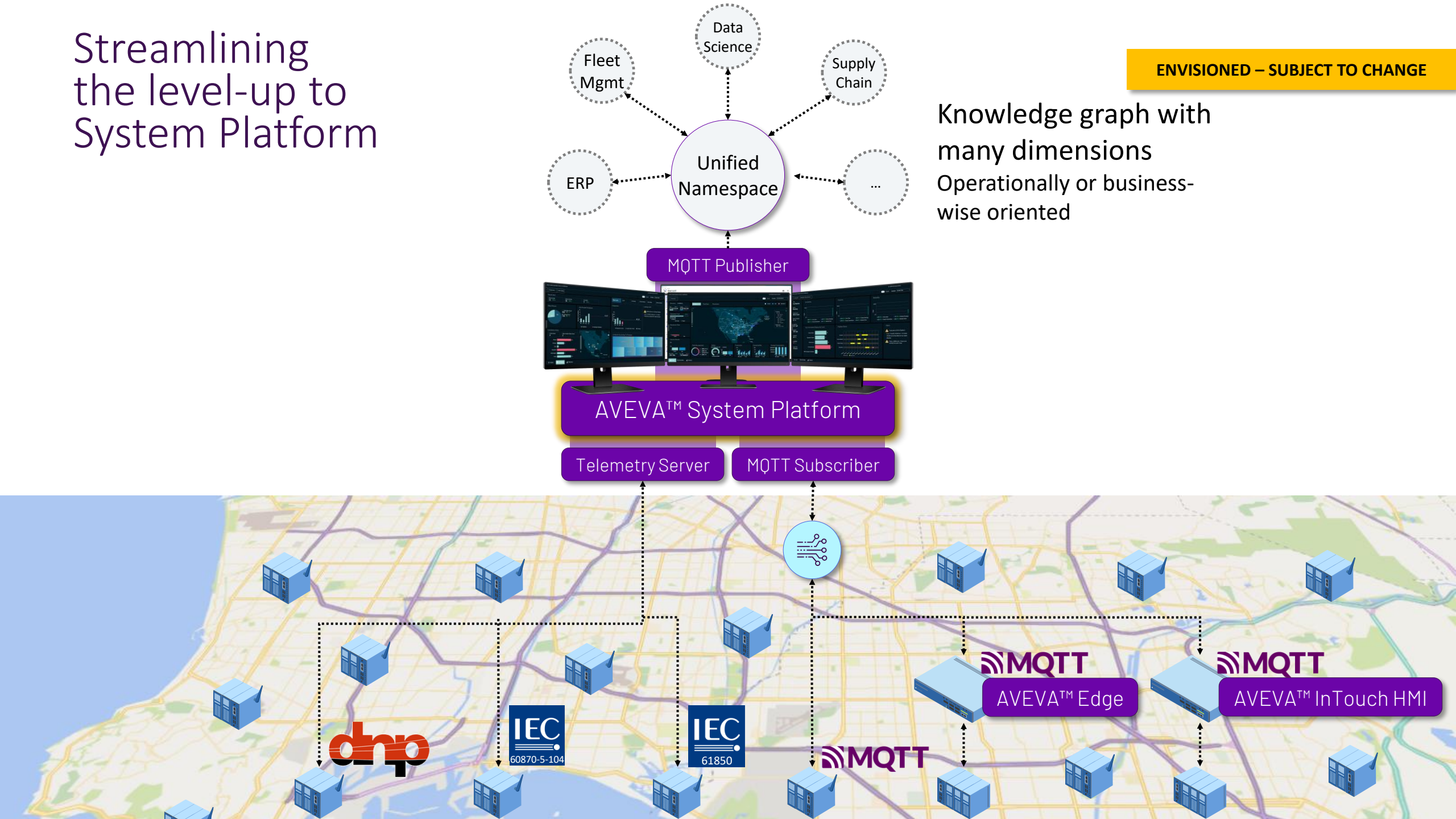
Knowledge graph with many dimensions
Operationally or business-wise oriented



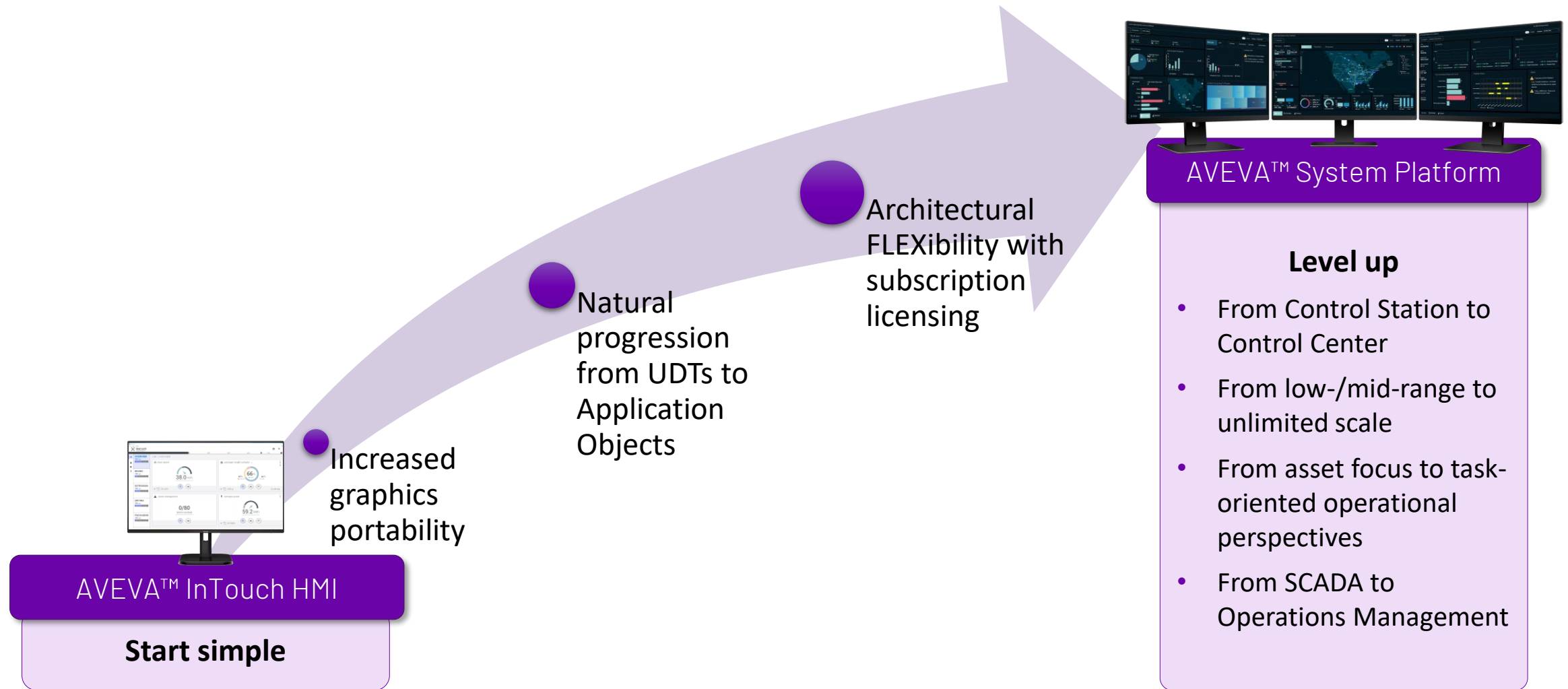
Streamlining the level-up to System Platform

ENVISIONED – SUBJECT TO CHANGE

Knowledge graph with many dimensions
Operationally or business-wise oriented



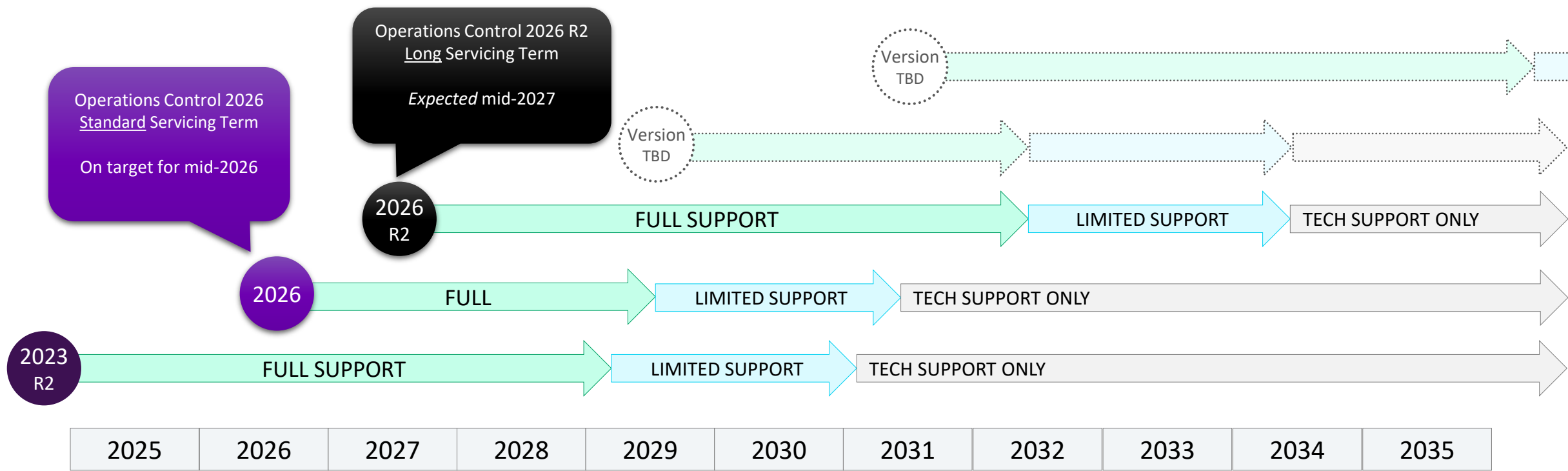
Streamlining the level-up to System Platform



Commitment

PRELIMINARY TIMELINES

Protecting customers’ investments with near lossless upgrades
Leverage modern and open tools to build future-proof and growth-ready new applications



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!

Exciting, modern &
engaging experience

5 key zones: CONNECT, operate & optimize, design & build, industrial sustainability, experiential zone (hands-on activities)

45+ sponsor and exhibitor booths

CONNECT ecosystem partner kiosk

AVEVA & Partner Showcase sessions

Lightning Zone sessions

Guided tours by industry

Game and leisure areas



INNOVATION
ZONE

Visit Us!

Stop by these booths in the innovation zone for demos and additional information:

Scalable HMI solutions with unlimited tags, IO, and server installations

AVEVA InTouch HMI feature demonstrations.

From Edge to Intelligence to Industry 4.0 with AVEVA Operations Control and Crosser

See how the latest MQTT communication drivers enables System Platform to populate Unified Namespaces with contextualized and normalized data

Powering IIoT Innovation with InTouch, System Platform, and CONNECT

Showcase of AVEVA Operations Control.



Sessions of Interest

AVEVA InTouch HMI: Graphics, Structures, and Python, Oh My!

In this session, explore the newest enhancements to AVEVA InTouch HMI that improve usability, connectivity, and performance for plant and enterprise operations.

Thursday, May 21 @ 11:30 AM

Room Brown 1 – Level 2



**BREAKOUTS &
ROUNDTABLES**

This presentation may include predictions, estimates, intentions, beliefs and other statements that are or may be construed as being forward-looking. While these forward-looking statements represent our current judgment on what the future holds, they are subject to risks and uncertainties that could result in actual outcomes differing materially from those projected in these statements. No statement contained herein constitutes a commitment by AVEVA to perform any particular action or to deliver any particular product or product features. Readers are cautioned not to place undue reliance on these forward-looking statements, which reflect our opinions only as of the date of this presentation.

The Company shall not be obliged to disclose any revision to these forward-looking statements to reflect events or circumstances occurring after the date on which they are made or to reflect the occurrence of future events.

 [linkedin.com/company/aveva](https://www.linkedin.com/company/aveva)

 [@avevagroup](https://twitter.com/avevagroup)

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