InTouch & System Platform 2017 Update 3 Overview
Key Takeaways

Most Secure System Platform version we’ve ever released!
- Encrypted communications eliminate threat of Man in the Middle
- Single Sign On (SSO) logon of users with OS Active Directory Integration

Increase Engineering Efficiency with OMI Data Driven Model
- Object Wizards graphics can directly be placed in panes
- External content linking (documents, videos, images, etc.) with assets and navigation items provide additional context

Increase Operator usability & user experience
- All OMI Apps enabled with multi-touch & gesture support
- InTouch Web Client is full featured browser ready with HTML5 graphics, alarms and trends
System Platform 2017
World’s first Operations Management Interface (OMI)

Product Introduction
The operating system for the modern plant. The world’s most prolific real-time control platform for Supervisory, SCADA, MES and IIoT application

Value Proposition
Our automation software provides as much as 40% increased efficiency in meeting changing business & market demands across industrial and manufacturing operations by eliminating the need for scripting, customization and leveraging reusable responsive HMI designs.

When it is Used
• Operations Management for hybrid, discrete, continuous manufacturing
• Need for standardization across multi-sites & plants
• Single Version of Truth – Centralized Information for Business Insights
• Running mission critical infrastructure with virtually zero downtime

How it is Used
• System of System. Unifies all essential system services into a single robust platform. Integrating multi-vendor systems and hardware
• Used to collect and analyze data with historians, intelligence and mobile reporting tools. Plug in MES, Batch & Workflow to streamline operation
• Enterprise wide visibility across Operational and Business organization
• An open and scalable foundation with centralized management to integrate and unify people, information, and processes with flexibility to rapidly adapt to business needs

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## System Platform 2017 Update 3

Expand OMI value, including Parity with InTouch HMI

### Increased Engineering Efficiency
- Object Wizards Directly in Panes
- Trend App Pen Context
- Alarm App Area Model
- Alarm App Context Sharing
- Owning Object Multi-Galaxy Reference
- External Content Linking

### Improved User Experience/Usability
- Advanced Numeric Formatting Support
- Connector and Connection Points
- Search Navigation Model
- Zoom-able Hotspots on AA Graphics
- Touch Behaviors for All Apps
- IDE - Digital Exchange Integration
- ITAA OMI Application Listing
- Alarm Shelving & Management

### IT Compliance/Hardened Security
- TLS Encryption
- Read-only OMI ViewApps
- License Server Monitoring
- Auto-Logout due to inactive period
- Non-Administrator Network Account
- Cross Galaxy IDE Acess
- Single Sign On with Active Directory

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Enhanced cyber-security hardening to support cloud and mobile
Secure Encrypted Communications

▲ Eliminates Man in the Middle Threats
▲ Enhanced TLS 1.2 security with automatic certificates generation and distribution
▲ Encrypting external SQL Server database password connections
▲ Encrypts Global Data Cache
Object Wizards & Symbol Wizards
Addressing equipment variability required and enforcing standards

▲ Data driven approach extended eliminates need for scripting and heavy engineering effort

▲ Object Wizards Symbols can be used directly in OMI panes without embedding in overview graphic which simplified HMI engineering

Key Benefits:
• Ease of Use: Simplified configuration lowers technical knowledge

• Scalability & Manageability: fewer number of templates to accommodate varying behavior/visualization of assets

• Standardization: driving consistency of assets across heterogeneous PLC/controllers vendors
Link External Content for richer Operational View
Increase Situational Awareness thru Contextual Information

▲ Enable linking external content (documents, videos, images, URLs) with assets and navigation model

▲ Operators, Field Workers can see standard operating procedures, ‘how to’ Videos

▲ Integrate existing OEMs HMI screens without re-engineering. Existing System Platform users can launch InTouch HMI displays within OMI

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AVEVA Digital Exchange
Expanding the OMI Apps content to address IIoT

- Doc View App
- Video Player App
All Apps are Touch friendly
New SDK provides App Builders the power of Touch
MQTT Plug-in Enhancement Store & Forward
Enabling robust & reliable IIoT Connectivity

MQTT Plug-in
- Simple connectivity to any MQTT Broker
- Security
  - Connection Security
  - Identity Authentication
- Data
  - Simple / Complex Payloads
  - JSON Payload format
- Publisher of Industry Standard Data Sources
- Store/Forward
InTouch HMI 2017 Update 3
Expanding reach to the cloud and web
New HTML Alarm and Trend Client
Protect your engineering investments in InTouch
InTouch Web offers browser support for existing InTouch applications without any re-engineering.

HTML5 Graphics, Alarms and Trend support.
Previous Enhancements
## Increased Engineering Efficiency

- QuickScript .NET functions are available for ArchestrA Graphics scripting
- Enhanced workflow for web client publishing enabling rapid iterative development & testing

## Increased Usability of the Web Client

- Web Client supports comprehensive set of ArchestrA Graphics
- Web Client improved look and feel in full screen browser mode
- Web Client improved display rendering performance
- Web Client support across all majors browsers (IE, Edge, Chrome, Safari)
- Web Client supports mobile devices (iOS and Android OS)
- Web Client supports pan & zoom across all major browsers

## IT Compliance & Reliability

- Alarm DB Logger and related utilities support OS authentication in addition to SQL authentication
- Managed Applications do not require Admin privileges
- WindowViewer OS Shutdown Event Handling - enables activated license release when detecting the OS is ending a Remote Desktop session
## System Platform 2017 Update 2

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About AVEVA

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The company’s engineering, planning and operations, asset performance, and monitoring and control solutions deliver proven results to over 16,000 customers across the globe. Its customers are supported by the largest industrial software ecosystem, including 4,200 partners and 5,700 certified developers. AVEVA is headquartered in Cambridge, UK, with over 4,400 employees at 80 locations in over 40 countries.

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