

## WONDERWARE SYSTEM PLATFORM 2017 - WHAT'S NEW



### What's New In Wonderware System Platform 2017

NextGen Visualization Client (OMI)..... Agile Cloud Development..... Object Wizards..... a Complete Automation Library..... Native Multi-touch and Gesture Controls..... Plug-and-Play Apps and Dynamic Application Build Out all help you to unite your process and enterprise.....

### Introducing the World's First Operations Management Interface (OMI).

System Platform 2017 introduces a Nextgen visualization engine called InTouch OMI. InTouch OMI is the world's first and only Operations Management Interface visualization engine that's automatically optimized to perform on any display screen, the first time, every time! No scripting or programming required. That means the same content is graphically rendered on different devices, maintaining the highest possible screen resolution without any application re-engineering.

### System Platform 2017 At a Glance

There are many reasons why System Platform 2017 is the most innovative and responsive control platform for Supervisory, SCADA, MES and IIoT:



- An updated UI experience and simplified development environment enables you to deploy unified, standardized and contextualized HMI visualizations throughout your enterprise.
- InTouch OMI responds to modern touchscreen and gesture interactions to give users more dynamic control over the system.
- Eliminate the need for UI coding and scripting with model-driven navigation that automatically generates supervisory structures and tags that mirror your PLC control logic.
- The most open, scalable and collaborative environment for 3<sup>rd</sup> party software partners to develop native 'plug and play' contextualized apps that bring together IT and OT.
- Reduce development time with a sweeping out-of-the-box framework that provides native multi-monitor support—making multi-monitor configurations possible in less than 5 minutes.
- Being built on the same core ArchestrA technology as Wonderware System Platform means InTouch OMI can co-exist on the same machine as InTouch for System Platform.
- Improved and simplified system scalability enables you to run an entire 100K IO application project on a single machine.
- Expanded connectivity now includes MQTT, OPC UA, and RESTful web services.
- Provides limitless scalability to support the escalation of IIoT data by enabling users to run unlimited instances of the driver on same machine.

### **System Platform 2017 Features Spotlight.**

After 30+ years of innovation and iteration, System Platform 2017 is loaded with features that and set a new bar for operational efficiency, system build and situational awareness.

#### **Access an All-New InTouch OMI NextGen Visualization Client.**

The high-performance visualization engine can render 50 graphic displays of 4K resolutions per application. InTouch OMI is 6-10x faster in graphic rendering performance than InTouch System Platform on 1/10 memory footprint (e.g. 200 clients on single terminal server).

#### **Responsive HMI Framework Means Build Once, See It Everywhere.**

Configure once, deploy anywhere. With the world's first 'responsive HMI framework,' System Platform 2017 offers a revolutionary new way to build re-usable HMI content—without requiring custom UI scripting. With reusable and uniform HMI content, you can create uniform, resolution-independent graphics that dynamically appear across different layout panes, monitors and mobile display devices at the highest possible screen resolution.

#### **Wizards Equip You to Visually Deploy Standards.**

New Object and Symbol Wizards revolutionize how you design, build and manage industrial applications. No programming required. No complex training required. , so that technicians can graphically configure & deploy the actual settings and options of the device at the point of commissioning.



## **Access the Most Comprehensive Out-of-Box Automation Library.**

With a complete pre-tested library of device objects, instruments, meters and valves, you get a roughly 80% of the device objects on any given right out of the box. This incredible range of ready-to-use content helps to save time, lower development costs, and reduce to time to value compared to platforms that require custom configurations.

## **Multi-Touch and Gestures Give Operators the Magic Touch**

Improving the user experience and usability of your HMI starts with creating an intuitive and human-centric interface. System Platform 2017 enables you to use the same multi-touch and gesture controls you'd find on modern mobile devices to visualize and command your operations.

## **Digital Transformation, Powered by an App Revolution.**

System Platform 2017 gives 3rd party software partners an application development environment to build contextualized "plug and play" apps. These apps connect and integrate real-time operational data with business systems to enable the convergence of IT and OT, establish a single, contextualized view of your Operations, and improve operational efficiency.

## **Applications Automatically Build Themselves Dynamically.**

With System Platform 2017, you can completely eliminate the need for UI scripting. By using new model-driven smart navigation capabilities and multi-monitor configurations screen profiles, you can use your project's specific plant model and content configuration to automatically link graphics to objects.

## **Auto-Build Your Project—Auto Generate Your Standards.**

System Platform 2017 empowers you to b Select new communication drivers can automatically generate tags and create instances of your PLC control structures at the supervisory SCADA host. That means you get enterprise-wide standardization compliance across processes, functional teams and sites.

## **Eliminate System Downtime and Optimize Asset Lifecycles.**

Your operational excellence efforts are bolstered with the reliability of System Platform 2017. You can use staged object redeployments to facilitate continuous improvements without impacting production. Plus, maintain operator runtime changes (setpoints, alarm limits) across redeployments.



### **Historian InSight Analytics Make Data More Informative.**

You don't have to have an IT or engineering knowledge to you're your operational data. Wonderware Historian InSight provides quick data analysis with intuitive dashboards, charts and trends that place business insights into the hands of casual users.

### **Historical SCADA Playback is Like Operational Instant Replay.**

Switch to your historical data stream in System Platform 2017, and you can replay up to 1 year of past events using dynamic process graphics. These insights are especially helpful with Operator training and troubleshooting.

### **Preview Your HMI with a Powerful Device Simulator.**

Want a sneak peek of your HMI? The built-in simulator and HMI live preview feature ensures your designs are optimized for every display screen, the first time. The powerful device simulator means you can test HMI design without physical devices, and test multi-monitor setup on single screen.

### **Build Together with Agile Cloud-based Development**

System Platform 2017 continues to be the most sophisticated and collaborative application development environment in the industry. Its secure, on-demand infrastructure enables remote teams to collaborate across proof-of-concept and maintenance lifecycle changes, leading to increased productivity and faster time-to-value. You can even model your UI in the cloud with the identical look and feel of your target device, so you can see the interface exactly as your end-users will see it.