



# ICONICS - Facility AnalytiX

AT Automation México Integradores Certificados de ICONICS



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Para obtener ayuda en determinar el producto que mejor se adecue a su proyecto, por favor póngase en contacto con nosotros a:

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Microsoft  
Partner

2017 Partner of the Year Winner  
Application Development Award



# Designed for Use in Many Industries

For more than 30 years, ICONICS has developed leading-edge software tools for manufacturing, industrial, and building automation. ICONICS has shipped over 350,000 products that are installed in applications spanning the globe in various industries:



**Automotive**



**Building Automation**



**Food & Beverage**



**Government & Military**



**Manufacturing**



**Oil & Gas**



**Materials & Mining**



**Pharmaceutical**



**Sustainability**



**Transportation**



**Utilities & Energy**



**Water & Wastewater**

# ICONICS Cross-product Features

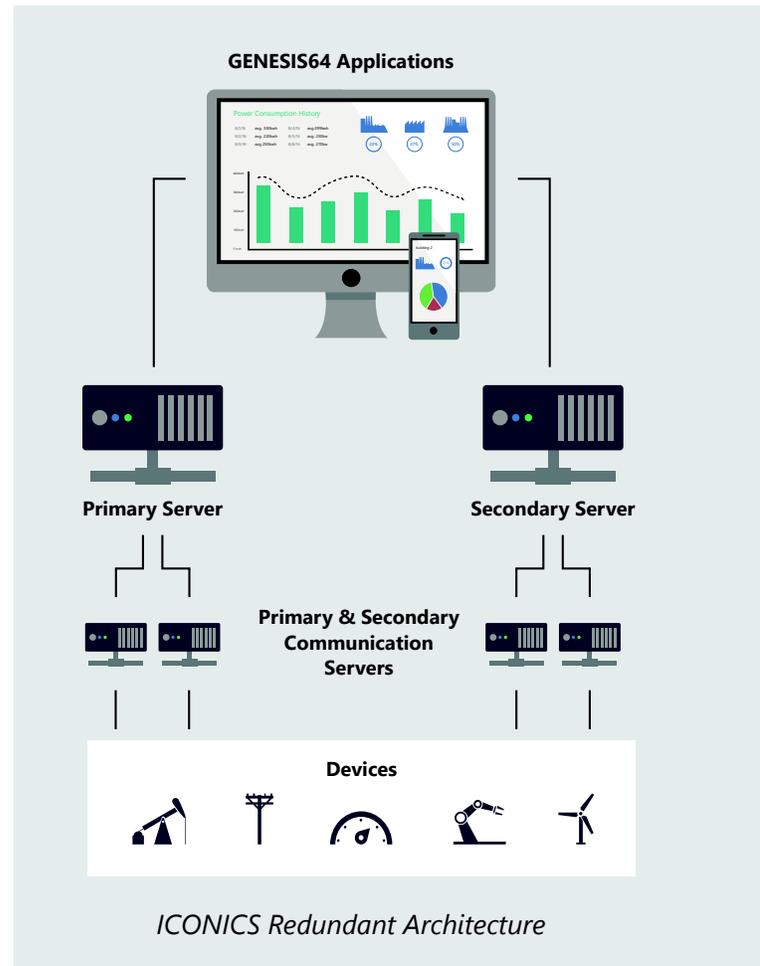


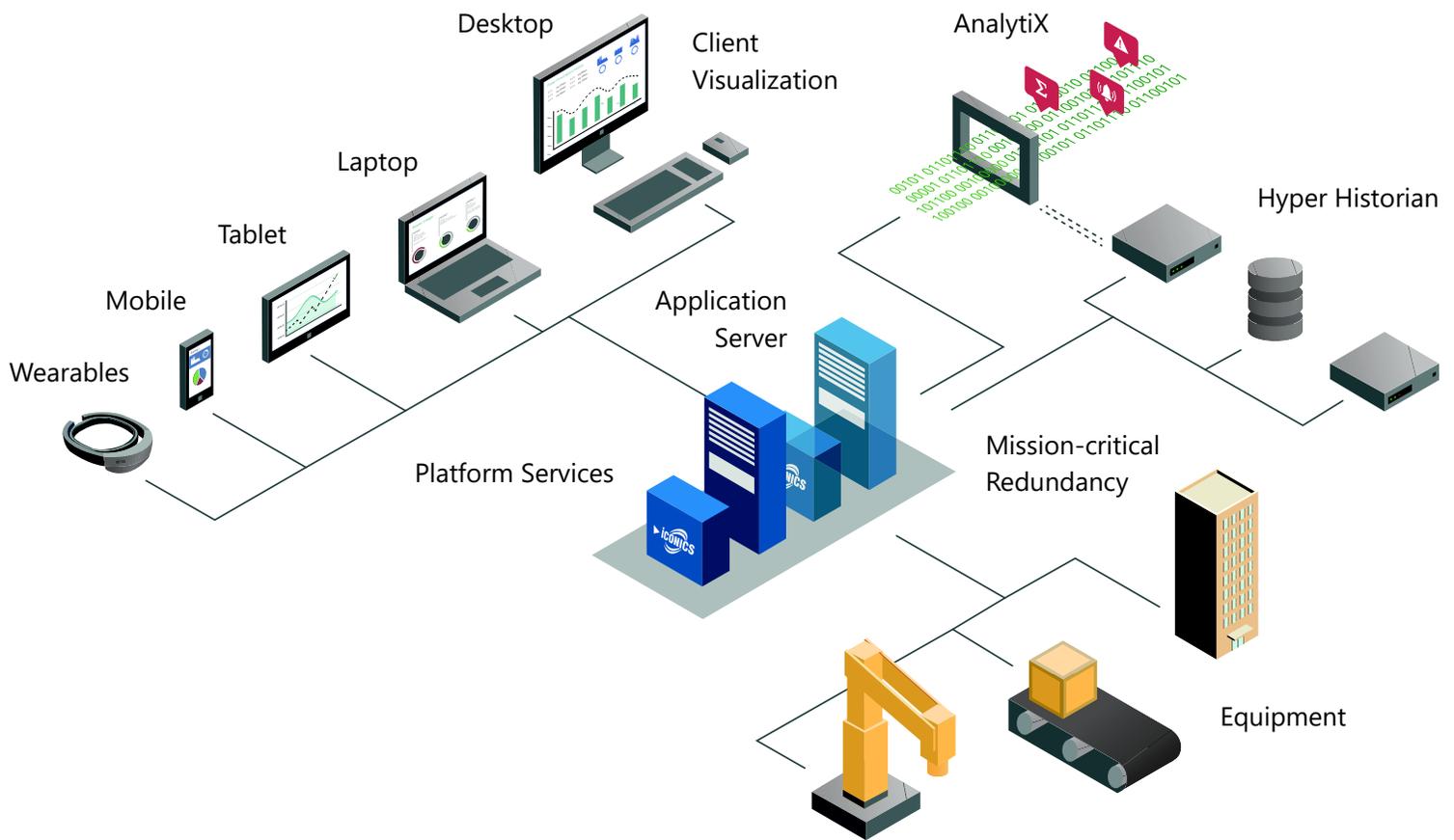
## Advanced Visualization on Any Device

Bring the visualization of ICONICS to any device. Migrate desktop displays created in GENESIS64 from desktop to any mobile client. MobileHMI™ is a powerful app that provides a consistent user experience on any mobile device for GENESIS64 dashboards. WebHMI™ brings the capabilities of GENESIS64 applications to any HTML5 or WPF compliant web browser. Generate executive self-service dashboards utilizing preconfigured symbols from any mobile device with KPIWorX™. GENESIS64's responsive UI flawlessly transitions between clients to provide a consistent user experience.

## Mission-critical Redundancy

ICONICS ensures the safety of any critical data by offering high availability redundancy for communication reliability. Redundant collectors and loggers serve as a backup in case of a system failure. With automatic fault detection and store-and-forward technology, GENESIS64 users can be assured that mission-critical real-time data, historical data, and alarm information are always available. ICONICS redundancy solutions are simple to configure, install, and deploy. ICONICS software redundancy covers all major aspects of data redundancy such as data access, historical data, alarms, and security.





*ICONICS System Architecture*

## Powerful Centralized Configuration

ICONICS displays can be created using two powerful configuration tools. The Workbench is the multi-functional, centralized desktop or web-based environment for all back-end configurations making development more efficient and minimizing design time for any application. Offered in WPF, users can configure and manage their entire GENESIS64 application from anywhere.

Front-end user interfaces and dashboards are configured using the GraphWorX64 visualization module. Design HMI and SCADA displays leveraging 2D and 3D graphics, preconfigured symbols, dynamic properties, animation, and flexible aliasing.

## Universal Connectivity

GENESIS64 supports industry standard communications such as OPC, OPC UA, Modbus, BACnet, web services, and databases. As the first 64-bit Advanced Workstation (B-AWS), GENESIS64 is certified by the BACnet Testing Laboratories, ensuring maximum integration with BACnet protocols such as BACnet objects, trends, and alarms. GENESIS64 is certified for OPC UA compliance by the OPC Foundation. Simple device discovery on the network makes integration seamless and efficient.

# Facility AnalytiX<sup>®</sup>

Facility AnalytiX is a complete, continuous commissioning software solution based on ICONICS' advanced Fault Detection and Diagnostics (FDD) technology that significantly reduces costs and improves operational efficiency. Facility AnalytiX incorporates user customizable fault rules to report faults and failures and weighs the probability of equipment failure and advise personnel of immediate preventative actions that can be taken, improving safety, and optimizing energy savings. An extensive library of standard HVAC and process equipment diagnostic models minimizes configuration, while a rules-based editor enables intuitive customization and new equipment diagnostic modeling.

## Facility AnalytiX Key Features

- Leverage hundreds of fault rules for building equipment
- Minimize equipment downtime with actionable alarms
- Monitor fault state with enhanced analysis
- Optimize the efficiency of facility operations
- Scale across a single building or entire campus



## Fault State Tracking

Provide better clarity into the lifecycle of faults for maintenance and operations leveraging fault state tracking. Log entries are made for each state of a fault's lifecycle when it becomes active or inactive and when faults are resolved by technicians or engineers. Fault state tracking provides the ability to enter comments for the root cause of each fault, enabling maintenance and commissioning personnel to communicate actions taken during a fault's lifecycle and easily track, sort, and filter on every state using the powerful Facility AnalytiX Viewer. This feature also empowers users to calculate relevant analytical metrics such as average fault duration and response time.