

ICONICS - MobileHMI

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

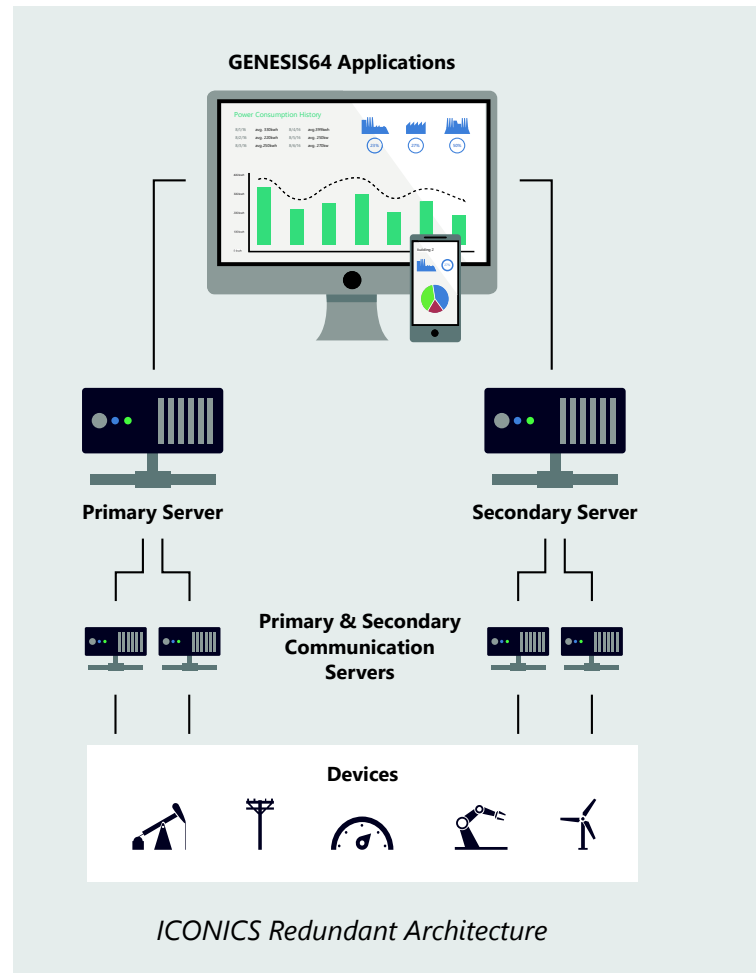


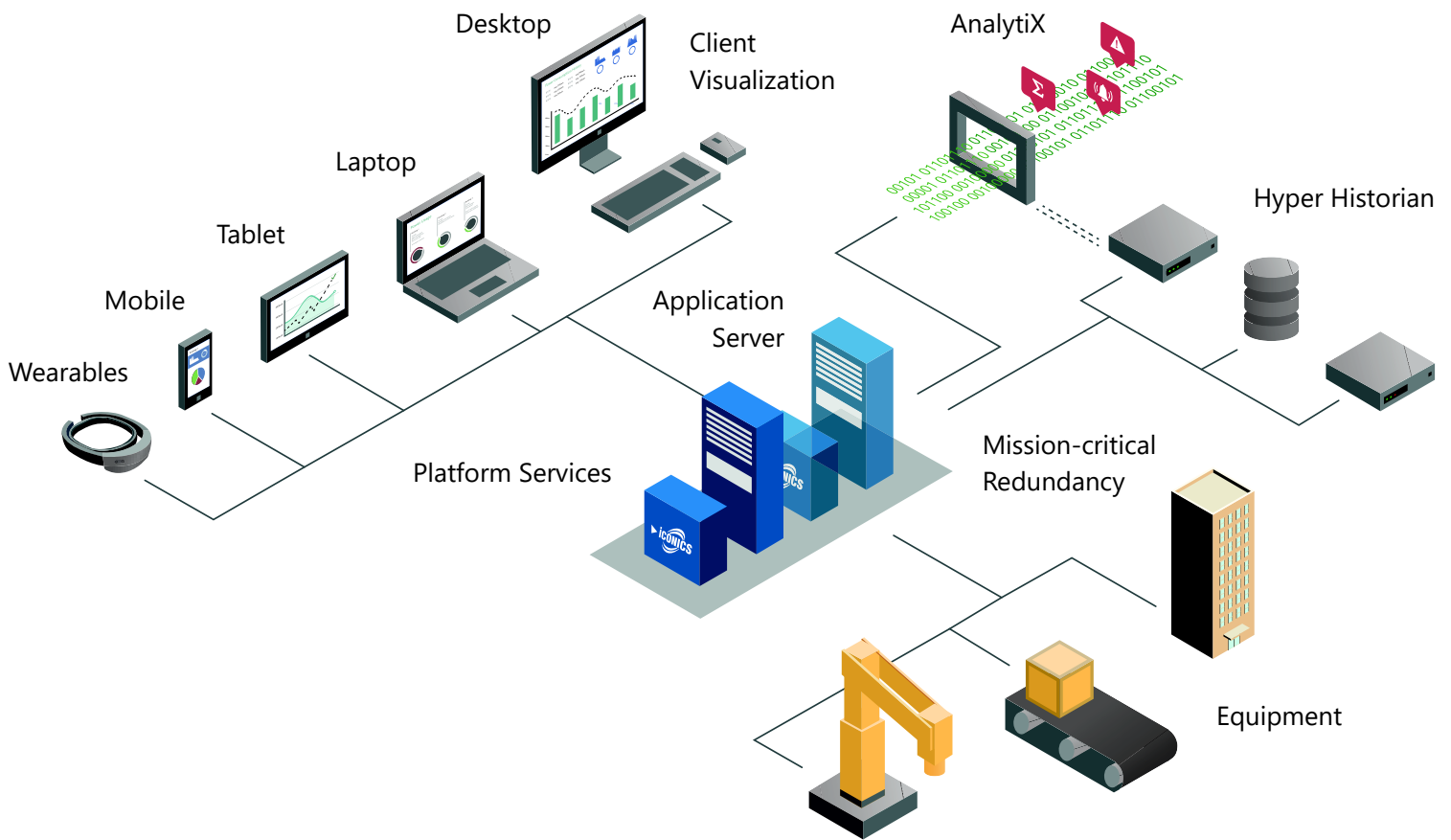
Advanced Visualization on Any Device

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.

MobileHMI™

MobileHMI is an enterprise mobile application that runs on hundreds of different phones, tablets, and web browsers and can scale to thousands of devices. MobileHMI delivers real-time rich visualization, historical trends, and alarm notifications without compromising security. MobileHMI addresses the growing need for connectivity away from operator stations, allowing personnel to monitor and control from anywhere. The consistent user experience across any device enables teams to mobilize without requiring any upfront investment in device standardization.

MobileHMI Key Features

- Access HMI and SCADA on any mobile device
- Leverage augmented reality with location services
- Navigate mobile displays with the AppHub
- Create self-service dashboards with KPIWorX
- Scale applications with IoT integration
- Visualize with innovative 3D graphics capabilities



Notifications

React rapidly to critical alarm conditions with any mobile smart device. View and sort alarms and take immediate action by acknowledging critical alerts via phone or SMS messaging. Integrated support for operator commands helps record operator actions to provide complete audit trails and regulatory reporting.

Analytics and Trends

View and analyze KPIs such as OEE, downtime, C_{pk} , energy consumption, faults, and product quality using intuitive role-based and interactive analytics and charts. KPIWorX BI technology empowers users to compare real-time and historical data from any device and instantly make informed decisions.

Responsive UI

ICONICS responsive design ensures that all user-created applications migrate seamlessly to any client. Flexible design tools in GraphWorX64 and the Workbench assist users in designing displays for both desktop and mobile applications. Application images and controls automatically resize and reformat, allowing users to truly access all of their applications on any device without having to compromise on user experience.



Enhanced User Experience

The next generation of user interaction has arrived with the emergence of wearable devices and augmented reality. ICONICS is at the forefront of this exciting trend with cutting-edge solutions for devices including Microsoft HoloLens. Streamline user experience by increasing ease of access while also minimizing intrusiveness and barriers to information. Just as touch and voice input provided useful supplements to traditional user interface technologies, this innovation with wearable devices will enhance interaction and collaboration, enhance situational awareness, and maximize operator efficiency.



Augmented and Mixed Reality Key Features

- Interact with mixed reality holograms
- Conduct operations hands-free
- Leverage native gesture-based interactions
- Improve collaboration and cooperation
- Maximize maintenance efficiency

