Mobile HMI™

Instant KPIs and Alerts, Anytime, Anywhere

Gold
Microsoft Partner

VISUALIZE HISTORIZE MOBILIZE ANALYZE CLOUD IoT

ICONICS

Make the Invisible Visible™

Any Glass, Anytime™

Industry Challenges

Organizations involved in energy, manufacturing, industrial and building automation face increasing complexity in integrating a variety of information from a multitude of sources, including IT, MES, ERP and real-time automation systems. The proliferation of mobile devices in the workplace has further complicated the ability to manage operations in a secure, distributed fashion.

The Solution

ICONICS 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. The simplicity of this app is in its installation, configuration and operation. 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 gives me the freedom to go wherever my attention is needed and to have my entire operational dashboard in the palm of my hand."

Apps for
Any Industry

The MobileHMI App is perfectly suited to any industrial, manufacturing, energy or building automation application due to its easy-to-use configuration wizards and responsive technology. Users no longer require dedicated HMIs, laptops, operator panels or workstations to be productive. With MobileHMI, your device is your workstation.

Designed for a Dynamic Workplace

Executives, operators, managers, maintenance technicians and field service workers from any industry can stay connected to real-time data and alerts anytime, anywhere and on any device.

Manufacturing

Plant managers and operators are prime candidates for a visualization and control system that allows them to remain productive from anywhere. MobileHMI enables access to KPIs at the equipment level while also allowing a secure overview of plant and enterprise-wide production, OEE and downtime metrics.

Building Automation and Energy Management

Facilities and buildings benefit from improved comfort, efficiency and sustainability while reducing energy costs. MobileHMI provides access to vital energy data and detailed building information from any mobile device.

Oil and Gas

Oil and gas field service technicians are required to be on site in multiple locations. MobileHMI provides quick, system-wide visibility into tank farms, custody transfer, pipelines, drilling, well automation and production, reducing the need for dedicated HMIs and panels.

Water and Wastewater

Operators of water distribution systems and wastewater treatment plants require real-time information from their water assets. MobileHMI allows them to monitor critical situations from anywhere. MobileHMI's unique Smart Tile™ technology enhances visualization of applications while integrating with geo-SCADA metrics.

Solutions for Any Industry

- Automotive
- Building Automation
- Chemical and Biotechnology
- Discrete Manufacturing
- Energy Management
- Food and Beverage
- Government and Military
- Metals, Materials and Mining
- Oil, Gas and Petrochemical
- Pharmaceutical
- Power, Utilities and Energy
- Process Manufacturing
- Retail
- Shipping and Logistics
- Sustainability and Renewables
- Transportation
- Water and Wastewater

GRAPHICS

ALARMS

Visualization

MobileHMI provides real-time 2D and 3D visualization for any application. Powerful **Smart Tile** and **Smart Pin™** technologies simplify user experience and navigation. **Augmented Reality** fuses information from video, documents and more, based on location information, to maximize interactivity. Responsive technology scales applications and orientation for any device.

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.

KPIs and Dashboards

ICONICS provides a consistent user experience across all devices and operating systems using Smart Tiles and responsive technology. AppHub™ provides an innovative and centralized location to navigate and launch mobile apps. KPIWorX™ delivers secure self-service executive dashboards with real-time and historical data, alarms, drag-and-drop KPIs and powerful analytics BI tools.

TRENDS & MORE

Analytics and Trends

View and analyze KPIs such as OEE, downtime, C_{pk}, energy consumption, faults, product quality and other metrics using highly 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.

Asset Management

MobileHMI includes innovative **ISA-95 standards-based** asset technology. Whether assets represent physical equipment such as energy meters, buildings, machines, water operations, oil and gas **equipment or virtual assets** representing application parameters, it is easy to navigate, visualize, monitor and control from any tablet, phone or web browser.
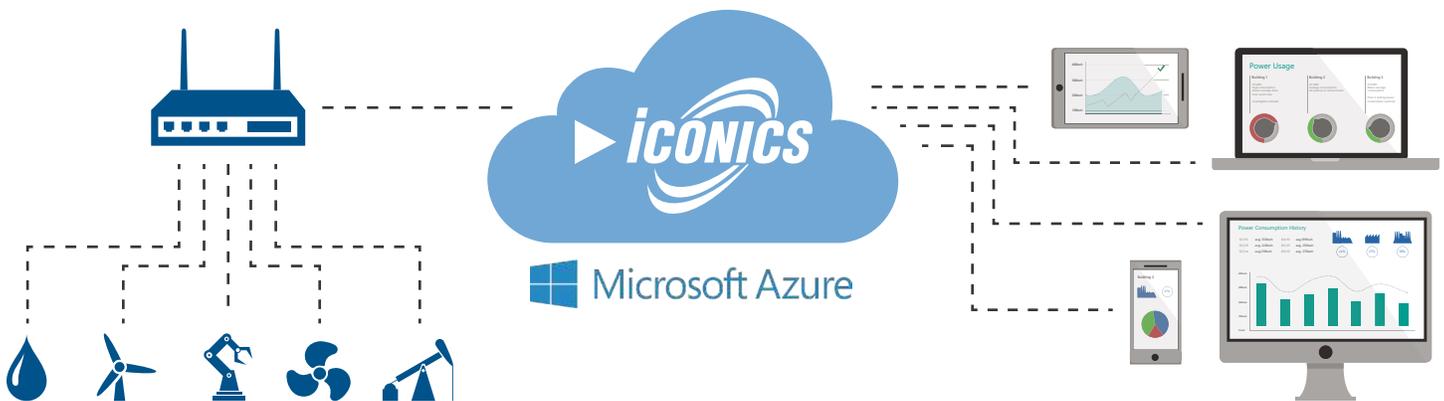
Universal Connectors

ICONICS' universal connectors simplify creation and deployment of applications and solutions. Easily access real-time, alarm and historical data while maintaining compliance with standards and certifications for OPC Classic, OPC UA and BACnet Advanced Workstation. MobileHMI supports web services, SNMP and database access to SQL Server, MySQL and other popular databases.
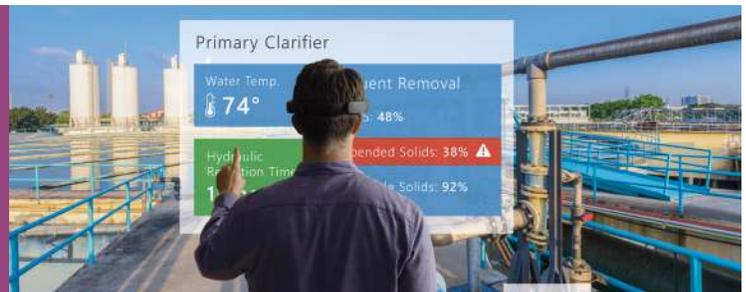
IoT and Cloud Ready

By the year 2020, there will be 50 billion connected devices globally. Automation systems are evolving from a world that is server-centric to one that is services-centric. This transformation requires innovation in cloud and mobile device software solutions to operate from anywhere at anytime.

ICONICS is leading the way in cloud-based solutions to help its customers embrace the Internet of Things (IoT). ICONICS IoTWorX™ combines new IoT software technology with affordable IoT devices to create secure cloud-ready solutions for energy, building automation, manufacturing, and industrial applications. Based on ICONICS' proven HMI/SCADA, data historian, analytics, and mobile products, a new generation of SaaS and IoT applications are now possible with IoTWorX. The convergence of these powerful technologies provides simple yet highly secure real-time, site-to-cloud communications, truly leveraging the benefits of the Industrial Internet of Things and Industry 4.0.

Holographic Machine Interface Benefits

- Minimize operational downtime
- Increase maintenance efficiency
- Quickly pinpoint location of faults
- Improve collaboration and cooperation

MobileHMI Key Features

- HMI/SCADA for any mobile device
- AppHub technology for simple navigation
- KPIWorX executive self-service dashboards
- Augmented Reality with location services
- Secure and scalable IoT integration
- Intuitive user experience
- Innovative 3D graphics capabilities

Apps for Any Device

Designing HMI displays for mobile devices is simple and easy. Displays retain visualization and functionality across device sizes and aspect ratios. Navigation features and images fit neatly on any size screen. The difference is in the setup; on mobile devices, aspect ratio governs the appropriate layout rather than screen resolution, which has historically been a principal factor in desktop HMI. With MobileHMI, users have the ability to choose from a variety of preconfigured devices (e.g., Microsoft Surface™, iPhone®, iPad®, Android™ phones or tablets) that include resolution, aspect ratio and a faceplate to mimic the look of your application on the selected device. MobileHMI's responsive design optimizes interactivity and streamlines deployment.

Available from All Major App Stores

Scalable Universal Apps for Windows

MobileHMI for Windows, Microsoft Surface and Windows Phone is designed using the Windows architecture from Microsoft. Windows Apps install natively on Windows clients and provide a highly integrated experience. MobileHMI takes full advantage of HTML5 technology for truly portable displays. This creates a single configuration with multiple uses depending upon client type.

Device Independence with HTML5 Technology

With the number of operating systems and devices growing yearly, web-standard HTML is the solution to providing HMI/SCADA to every device. HTML5 is the newest update to web technology and ICONICS is utilizing its prevalence on mobile devices to deliver information to iOS and Android operating systems. This empowers users to truly create device-independent displays.

Founded in 1986, ICONICS is an award-winning independent software provider offering real-time visualization, HMI/SCADA, energy management, fault detection, manufacturing intelligence, MES, and a suite of analytics solutions for operational excellence. ICONICS solutions are installed in 70 percent of the Fortune 500 companies around the world, helping customers to be more profitable, agile and efficient, to improve quality, and to be more sustainable.

ICONICS is leading the way in cloud-based solutions with its HMI/SCADA, analytics, mobile and data historian to help its customers embrace the Internet of Things (IoT). ICONICS products are used in manufacturing, building automation, oil and gas, renewable energy, utilities, water and wastewater, pharmaceuticals, automotive, and many other industries. ICONICS' advanced visualization, productivity, and sustainability solutions are built on its flagship products: GENESIS64™ HMI/SCADA, Hyper Historian™ plant historian, AnalytiX® solution suite, and MobileHMI™ mobile apps. Delivering information anytime, anywhere, ICONICS' solutions scale from the smallest standalone embedded projects to the largest enterprise applications.

ICONICS promotes an international culture of innovation, creativity, and excellence in product design, development, technical support, training, sales, and consulting services for end users, systems integrators, OEMs, and channel partners. ICONICS has over 350,000 applications installed in multiple industries worldwide.

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