

MobileHMI™

Instant KPIs and Alerts, Anytime, Anywhere



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, HR 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 which runs on hundreds of different phones, tablets, 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 MobileHMI 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 “go mobile” without requiring upfront investment in device standardization. MobileHMI can be used on any of hundreds of smart mobile devices.

“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 thanks to its easy-to-use configuration wizards. Users no longer need dedicated laptops, HMIs, operator panels or workstations to be productive. With MobileHMI, your device is your workstation!

Who Is It For?

Executives, Operators, Managers, Maintenance Technicians, Field Service Workers, and anyone else who wants to stay connected to real time operations data 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 "on the go". MobileHMI includes flexible drill-down capability from plant level to machine level, OEE and downtime metrics, and email integration for enhanced collaboration and secure insight into operational KPIs and trends.



Energy Management and Building Automation

Facilities, corporate real estate, data centers, university campuses, government and building infrastructures benefit from improved comfort, efficiency, and sustainability while reducing energy costs. MobileHMI provides access to vital energy data and detailed building information from your favorite 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, leak detection, drilling, well automation (onshore and offshore) and production, all from their mobile device of choice. This reduces the need for dedicated panels and HMIs.



Water and Wastewater

Operators of Water Distribution Systems and Wastewater Treatment Plants require real-time information from their water resources. They need integrated mobile solutions that allow them to be where they're most needed. MobileHMI's unique Smart Tile and AppHub™ technology makes visualizing applications such as water collection, distribution, quality analysis, supply assurance and waste processing simple.

Solutions for Any Application

- Automotive/Robotics
- Building Automation
- Chemical
- Consumer Products
- Data Centers
- Discrete Manufacturing
- Energy Management
- Food & Beverage
- Government
- Logistics & Warehouse
- Machine Builders & OEMs
- Oil & Gas and Petrochemical
- Pharmaceuticals
- Pipelines
- Power & Utilities
- Process Industries
- Renewable Energy
- Retail
- Smart Grids
- Transportation
- Water & Wastewater



GRAPHICS,

ALARMS,



Visualization

The MobileHMI App provides real-time visualization for virtually any application. Powerful **Smart Tile** and **Smart Pin™** technologies simplify ease of use and navigation. It offers simple configuration and fast setup with scalable, vector graphics and customization for any solution. Device-aware technology automatically scales the orientation and visualization accordingly.



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.

KPIs & Dashboards

ICONICS offers a consistent user experience across all devices and operating systems by utilizing a preliminary interaction called the **AppHub™**. This open interface is meant to allow quick access to graphics, alarms, trends and assets. Smart Tile technology provides instant viewing of KPIs and drill-down navigation to the most important information.



TRENDS & MORE



Analytics & Trends

View and analyze KPIs such as OEE, Downtime, CPk, Energy Consumption, Product Quality and other metrics using highly intuitive and interactive analytics and charts. MobileHMI's automatic responsive design enables users to compare real-time and historical data from any device. Role-based security provides instant access to information anytime and anywhere.



Asset Management

MobileHMI is a flexible software platform that includes an innovative S95 standards-based intelligent asset hierarchy technology. Whether assets are physical equipment from oil and gas, water operations, buildings, machines, energy meters or represent application parameters, it is easy to navigate, visualize, monitor and control them from any tablet, phone or Web browser.

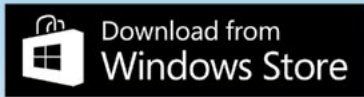


Universal Connectivity

ICONICS' universal connectivity simplifies creation and deployment of applications and solutions. Easily access real-time, alarm and historical data. Meeting compliance standards and certifications for OPC Classic and OPC UA as well as BACnet Advanced Workstation, MobileHMI supports Web services, SNMP and database access to SQL Server, MySQL and other popular databases.

APPS FOR ANY DEVICE

Designing HMI displays for mobile devices is simple and easy. Buttons remain the same, navigation functions as it has for years, 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 the principal factor in desktop HMI. With GraphWorX64, users have the ability to choose from a variety of pre-configured devices (e.g. Microsoft Surface™, iPhone®, iPad®, Android™ phones or tablets) that include resolution, aspect ratio, and a faceplate to mimic the look of the selected device. GraphWorX64's intuitive interface shows only mobile-ready features, streamlining deployment time.



Available From All Major App Stores

Empowering Windows Users via Windows Runtime

MobileHMI for Windows 8, Microsoft Surface and Windows Phone are designed using the Windows Runtime (WinRT) architecture from Microsoft. WinRT Apps install natively on Windows 8 and provide a highly integrated experience. ICONICS has implemented the MobileHMI app to utilize the mobile GraphWorX64 file for portable displays, which is also used for HTML5. This means single configuration, but multiple uses depending on the 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 solutions for 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. Because the .NET Framework is not available on non-Microsoft operating systems, ICONICS delivers graphics to the clients, but the processing remains on the MobileHMI server.

FLEXIBLE ARCHITECTURE

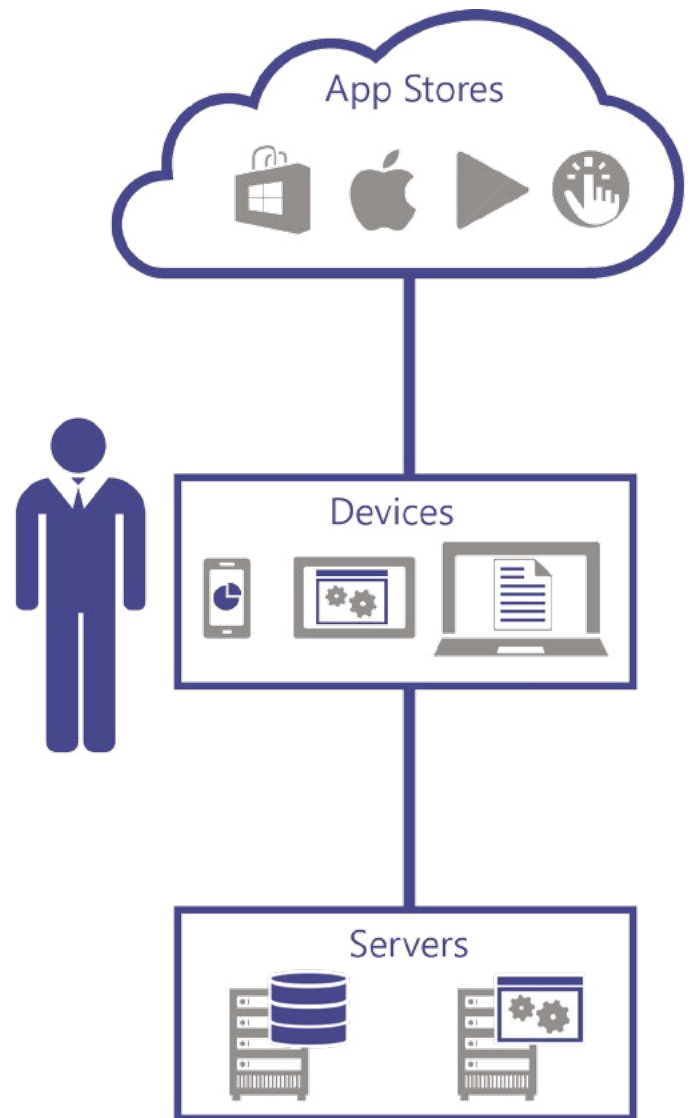
MobileHMI includes ICONICS' Platform Services at the core of its installation including security, communications, and data aggregation. The Platform Services are certified in OPC UA communication and adheres to the highest level of BACnet certification as a BACnet Workstation (B-AWS). The architecture for mobile clients is similar to traditional Web clients, leaving data configuration to the server and allowing clients to request data from the application server for visualization.

Secure and Cloud Ready

The MobileHMI App combines the power of the ICONICS HMI/SCADA platform, the most advanced HMI to target any mobile device, and a small footprint able to run on any modern server. Supporting On Premise, Private Cloud, Public Cloud and Hybrid Solutions, MobileHMI's lightweight installation makes it an easy choice for virtualization and cloud deployments. Running on Internet Information Services (IIS), MobileHMI can be located anywhere while benefitting from a scalable cloud architecture with the ability to dynamically scale to client demand by allocating more computing power.

Available for all Major Devices

MobileHMI can be downloaded from the Windows Store, Apple App Store™ and Google Play™ Store to allow executives and operators to view and control HMI displays from anywhere. MobileHMI allows full HMI/SCADA capabilities on all modern devices. For Microsoft devices, either technology can be used to view HMI displays, while other devices like those from Apple or Google use HTML5 to visualize HMI displays.



App Key Features

- Ideal for Executives, Operators & Maintenance
- Securely Connect to Any Device
- Remote Monitoring and Control
- Instant KPIs and Alerts via Smart Tiles
- Dazzling Graphics, Alarms, Trends & Charts
- Quick Deployment and Setup





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

ICONICS products are used in building automation, oil & gas, renewable energy, utilities, water/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 300,000 applications installed in multiple industries worldwide.

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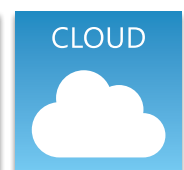
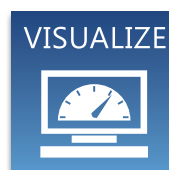
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