Web HMI™

Web-Based Real-time Automation Software

Web Access to Business and Factory Information
Connect to "live" plant data or business data over the Web

Thin-Client Architecture Requires No Installation
Delivers thin client displays, trending, alarming and reporting

Firewall and Corporate IT Friendly
Works with firewalls and routers over intranets and the Internet

Scalable Web Server Architecture
WebHMI scales seamlessly as client connections grow

Universal OPC Connectivity
OPC-To-The-Core™ Plug and Play technology simplifies connectivity and reduces the Total Cost of Ownership

Web Publishing Wizard
Easily publish operator displays, trends, alarms and reports to Web servers

Data Mine Historical Data From Standard Databases
View historical data from Microsoft® SQL Server, MSDE, Microsoft Access and Oracle® databases

Web-Based Trends and Charts
Compare real-time data with historical information over the Web
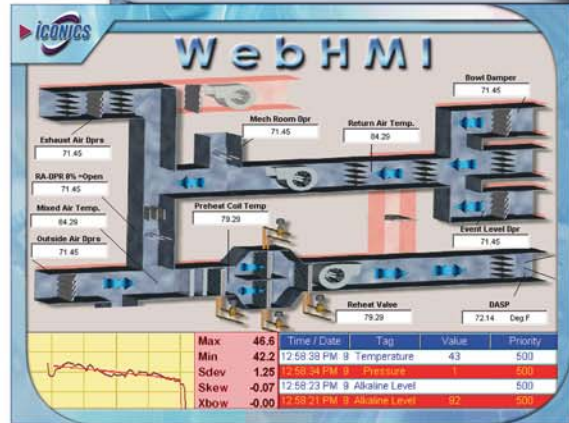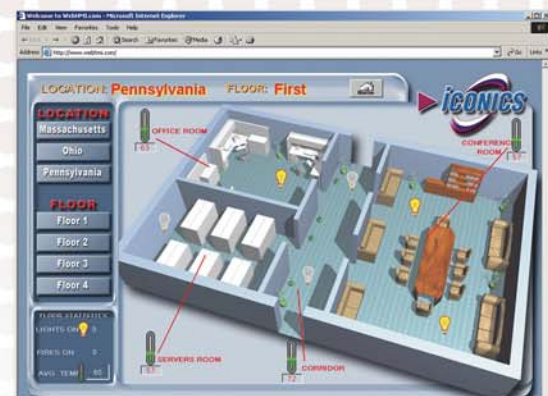
Comprehensive Security
Integrates Windows NT® security and other data security technologies

Web Access to Real-time and Historical Alarms
Instantly view alarms and acknowledge them over the Internet or intranets

Ideal for Remote Unattended Applications
Reliable, secure, read/write capabilities makes this the choice for remote application management

"Turn any Web Browser into a Digital Dashboard!"

▶ iCONICS

Visualize Your Enterprise!™

WebHMI™

Real-time, OPC-Based Internet Intranet Automation Software
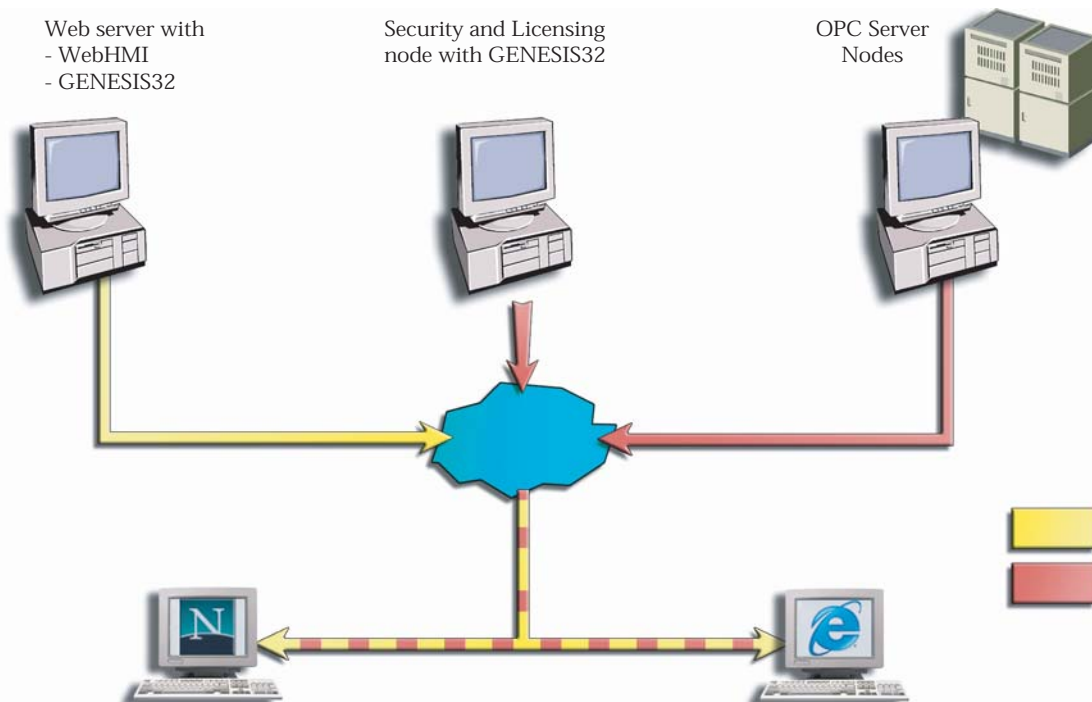
WebHMI Architecture Overview

ICONICS' WebHMI enables users to view real-time HMI displays over the Internet or intranets on any client PC running Microsoft Internet Explorer or Netscape Navigator. WebHMI is extremely easy to use and set up. Managers, supervisors and operators can simply point their browsers to the desired Web page containing production reports, HMI graphics, historical trends and alarms. As the client PC loads the requested HTML page from the designated Web server, which is running the WebHMI Server software, all the necessary components are automatically loaded to the client PC in the background. Once the HTML page download is complete, the remote client PC will have access to a real-time OPC-enabled HTML page running on the browser. It's that simple!

Publishing to Web Servers Is Easy!

The Web publishing wizard publishes graphics, trends, reports and alarms to designated Web servers running Microsoft Personal Web Server or Microsoft Internet Information Server (IIS). Turn any application into a Web-enabled Digital Dashboard, integrating real-time factory and business information!

Firewall and IT Friendly with Advanced Security

The WebHMI utilizes revolutionary GenBroker communications technology, which provides several advanced methods of communications across the Internet, intranets and plant and corporate IT infrastructures. GenBroker supports routers, smart switches, hubs and firewalls and uses industry standard OPC over SOAP/XML, OPC over TCP/IP as well standard Microsoft COM, DCOM and VPN's (Virtual Private Networks) technologies to access real-time OPC data, alarms and historical information. Web pages have user-configurable advanced NT-level security, providing both read, and write capabilities. WebHMI's flexibility allows Web pages to be spread out over multiple networked Web servers. Dedicated security servers can be used to provide centralized security.

Web server with
- WebHMI
- GENESIS32

Security and Licensing
node with GENESIS32

OPC Server
Nodes