



CIMPLICITY 10 from GE Digital

Precisely monitor and control every aspect of your industrial operations with efficient HMI/SCADA

Enable smarter operators with Efficient HMI for the right actions and outcomes

As a proven automation platform, [CIMPLICITY from GE Digital](#) provides true client-server visualization and control—from single machines to plant locations spanning the world—helping you manage your operations and improve decision-making.

Based on decades of GE Digital's research and development, CIMPLICITY is the HMI and SCADA of choice for the world's largest manufacturers. For applications of all sizes, CIMPLICITY can help deliver faster response, reduced costs, and increased profitability.

Our latest version enables Efficient HMI with Web HMI from GE Digital to speed operator actions, offers secure-by-design connectivity and certification management, enhances modeling for repeatability and time savings, and provides the latest operating system and database updates.

Outcomes

- Speed problem detection and response with ISA and GE research-based design concepts for Efficient HMI
- Reduce time-to-value with object-oriented design for repeatability
- Improve decision-making with richer information in context, supported by modeled data
- Reduce threat of cyber attacks with overall certificate-based communications
- Minimize maintenance time and costs with zero deployment clients
- Enable superior design flexibility for consumption of third-party HTML5 content
- Boost security and reliability with the latest operating system and database updates, including Microsoft Windows Server 2016 and Windows 10 support

01 Decrease operator response time and errors with Efficient HMI and SCADA

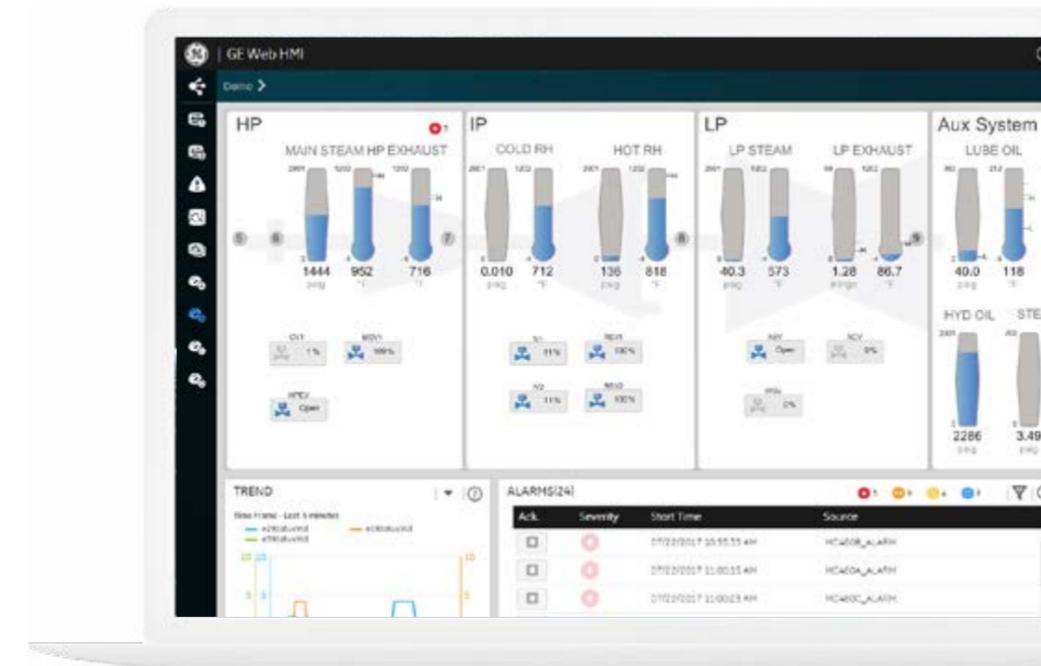
CIMPLICITY changes the HMI experience to enable decision support for the user. The overall HMI layout is designed to provide users with the most informed, personalized view of the problem or task at hand - for faster response and fewer errors.

02 Drive faster time-to-value with enhanced repeatability and modeling

Deploy solutions faster with CIMPLICITY's enhanced database with class containment. Employ object-oriented design for easy repeatability and faster time-to-value through modeled context. You can use classes and objects for building a structured database quickly. Modeling capabilities in CIMPLICITY allow you to create templated applications for repeatable assets, which can be leveraged in both the existing clients as well as the new Web HMI client.

03 Achieve visualization where you need it with native responsive web design

The CIMPLICITY screens created for the Web HMI are full HTML5 compliant and support responsive design concepts. The displays support multi-touch and can scale to adapt to various form factors and orientations where the HMI will be viewed, from small to large high-resolution screens.



With thousands of installations, CIMPLICITY with Web HMI offers trusted performance, reliability, one of the richest HMI/SCADA feature sets, and edge-to-cloud innovation from GE Digital.

04 Improve connectivity, security, and reliability across your entire operations

With OPC UA Server support for modeled data, CIMPLICITY helps you aggregate systems for a single connection to your SCADA and consolidated views. Additionally, CIMPLICITY's Global Discovery Server reduces threats from cyber attacks with overall certificate-based communication. Robust coding practices and Achilles Practices Certification make CIMPLICITY the SCADA of choice to help meet the most demanding security requirements.

"Using GE Digital's software has enabled us to demonstrably increase productivity and significantly improve the process quality. The software facilitates the daily work of our staff."

Martin Siegenthaler, Process Automation and System Support, Blaser Swisslube AG



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Features

- OPC UA Alarm Server
- High performance HMI for efficiency
- Native Web HMI structured asset model mapped to CIMPLICITY's objects and classes
- Enhanced library for a more efficient HMI and HTML5 content generation from the workbench
- Never start with a blank sheet of paper, improve efficiency by starting with a model
- Standard layouts and cards on topics such as trends, alarms, KPIs, and more
- Multi-touch alarm and trend viewer
- Local, remote over LAN, WAN, or Internet connections, including VPN
- Encrypted communication from your Web client using SSL / digital certificate, IT security friendly, and cloud ready
- OPC UA for structured data and secure-by-design interoperability, including the OPC UA server for consolidated data in context to the model with certificate management
- Updated for new IT standards, including Microsoft Windows Server 2016 and Windows 10 support and Historian from GE Digital support

Hardware requirements

- Intel Core 2 Duo 3.0 GHz or better computer.
- A minimum of 4 GB RAM.
- A minimum of 40 GB of free hard drive space.

Software requirements

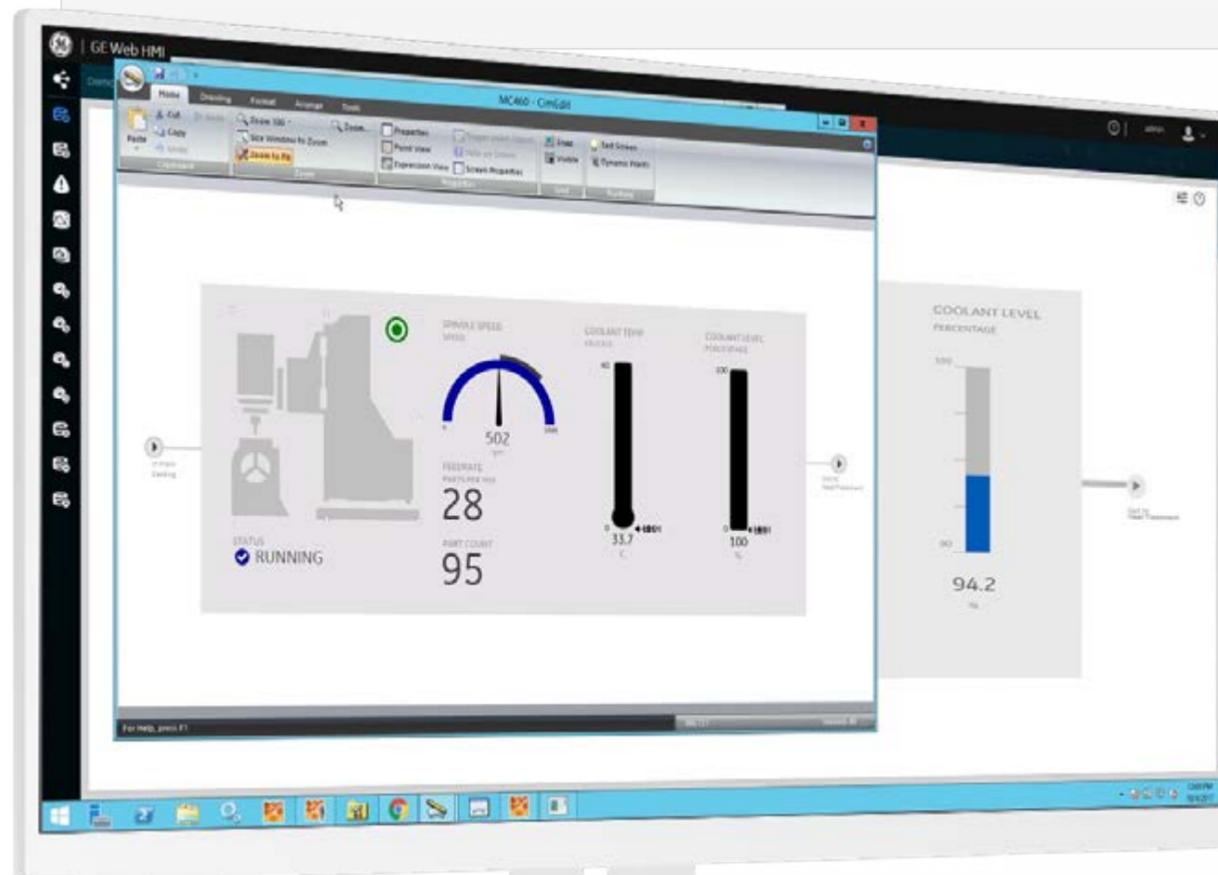
- One of the following operating systems:
 - Microsoft Windows 10
 - Microsoft Windows Server 2016
 - Microsoft Windows Server 2012 R2
 - Microsoft Windows 8.1
 - Microsoft Windows 7 SP1
- Supported: Microsoft SQL Server 2016, 2014, 2012 (11.x), 2008 R2; SQL Express 2014 and 2012; Microsoft Visual Studio 2012.4; Oracle 12C

Hardware and software requirements are representative and may vary by customer deployment. Please consult the product documentation for more details.

Improve your efficiency with the high performance HMI and SCADA capabilities in CIMPLICITY 10. With the latest innovation in HMI designs for efficiency, your operators can quickly identify problems and causes for a fast resolution.

LEARN MORE

With CIMPLICITY 10, you have a context-rich HMI that changes as the user moves through the system, based on an engineer-defined model structure. This prescribed experience provides the operator with the most relevant information—in context—and minimizes the effort to find it.





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Services

In the world of Industrial Internet of Things (IIoT), organizations are able to optimize productivity, reduce costs, and achieve Operational Excellence. While this is an exciting time for opportunity and growth, it can also bring on new challenges, questions, and uncertainty. No matter where you are on your IIoT journey, GE Digital has the right services offering for you.

Advisory Services We can help you plan and start your IIoT journey in a way that aligns to your specific business outcomes.

Managed Services We can help you maintain your critical machines from one of our remote locations around the world using model-based predictive-analytic technology.

Implementation Services Our experienced global Automation partners can implement a collaborative, multi-generational program that marries your existing investments to the right enhancements and technology.

Education Services We specialize in education services to ensure that you're leveraging our solutions to the fullest extent with our training and certificate programs.

Acceleration Plan Let us help by ensuring that your business continues to operate at its highest efficiency, all while mitigating risks to your investments.

Worldtech Security Services Our solutions provide industrial-grade security for a wide range of OT network and application topologies.

Related products

GE Digital's [HMI and SCADA](#) suite helps you precisely monitor, control, and visualize every aspect of your operations, enabling operators to make the best decisions faster.



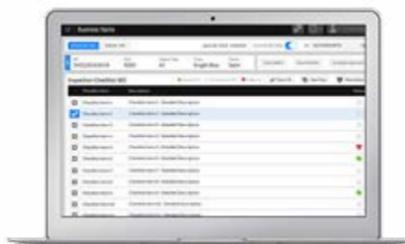
[Tracker](#) →

Accelerate time-to-market and improve just-in-sequence performance at global scale in automotive manufacturing.



[Workflow](#) →

Guide operators with dynamic, interactive electronic work instructions and eSOPs for more consistent operations and optimized processes.



[Production Manger](#) →

Stay competitive with reduced WIP, tighter control on quality, and a streamlined supply chain.

Continue your IIoT journey

Transforming your business requires innovative foundational solutions that lay the groundwork for optimized performance.



[Cyber Security for OT](#) →

Take the right actions to increase resilience, help ensure safety, and maintain availability across your operational technology (OT) environment.



[Historian](#) →

Optimize asset and plant performance through time-series industrial data collection and aggregation, leveraging predix IIoT connectivity.



[Dream Report](#) →

Powerful reporting to help you improve performance and meet operational goals

[Predix](#) →

Innovate and transform your business with the cloud-based operating system for the Industrial Internet, purpose-built for industry.

PREDIX

About GE

GE (NYSE: GE) is the world's Digital Industrial Company, transforming industry with software-defined machines and solutions that are connected, responsive and predictive. GE is organized around a global exchange of knowledge, the "GE Store," through which each business shares and accesses the same technology, markets, structure and intellect. Each invention further fuels innovation and application across our industrial sectors. With people, services, technology and scale, GE delivers better outcomes for customers by speaking the language of industry.

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