Remote Operations – Command Center is a centralized secure system to rapidly configure industrial applications for data aggregation, connectivity, and visualization to easily contextualize plant and asset information into a single view. This modern digital experience enables enterprise-wide collaboration to perform controls, monitoring, data collection, and other critical tasks to improve operations, productivity, and business intelligence – from anywhere, on any device.

Through Command Center’s code-free design experience, organizations can easily create intuitive application dashboards that monitor, analyze, and operate enterprise control rooms, fleet, and even down to the equipment level – remotely in a securely contained environment.
Command Center
Solution Components
Create, manage, connect, display, and aggregate data from equipment historian, HMI/Scada, DCS, or other industrial applications – without needing developer or costly 3rd party resources.

Proficy Operations Hub
Easy drag drop design tool to visualize, connect, and aggregate data into intelligent dashboards

Data Modeling & Connectivity:
Data Management: Modeling including Entities and Pivot Tables; Queries, alerts, events, and notifications
Model and flat tag support
RDP/VNC & HTML
Up to 1,000 concurrent clients on a single server
Connectivity: OPC UA, Relational databases, Time series, Historian, MQTT, REST API
High Performance HMI Runtime
Data analysis with standard model context with app capabilities

Industrial Design:
WYSIWYG App Builder, with a rich dev library, extensive widgets, and drag-and-drop configuration.
Mobile friendly responsive design. Actions, Conditions, and Formulas. QR code navigation for mobile
SDks for customizations – widgets, dashboards
Advanced Historian Trend Analysis App detects root cause and collaboration analysis using ad hoc trending and KPI dashboards from Historian data
Web-based technologies, cloud, and Docker: Deployment, product updates, accessibility/mobility, improved collaboration, and lower IT costs
Platform independence by using HTML5 and CSS3

Benefits:
Improved Productivity – Empower operators, expertise across roles and locations with access to information at any time, any pace.
Intuitive Design – Single design tool with infinite flexibility for industrial applications – code-free configuration
Intelligent Data – Deliver actionable data across the fleet, plant, and equipment for an automatic response based on IIoT data
Safe, Secure, Connected – Secure real-time access to information that scales command center centrally or across fleet

Provisions, Controls, Security:
Monitor, control, data entry, analysis, and task management capabilities.
Multiple language support – English, Japanese, Chinese, Korean, Spanish, German, Russian
Role-based permissions at the page level
Secure by design including AD and shared UAA support
Access controls to applications and data, by user roles
ISA 18.2 and ISA 101 for improved operator performance and safety
Software License Packages:

1. Perpetual Starter Option – License per client for smaller specialty systems or OEM equipment

2. Term Agreement – License term per client or per site. This option is available for GE Digital add-on software or as standalone purchase.

For pricing and package availability, contact your GE representative.

Servers and Hardware:

Depending on the implementation site requirements, GE Digital provides additional or self-contained server options to host multiple complex applications via virtual machines to highly scale across many users and locations. Computing technology and operating system lifecycles and hardware models are subject to change. The chart is a snapshot of the server model availability and GE Digital will provide the latest options in market as a standard.

Optional Hardware Components:

If more safety and security is required, GE Digital provides additional digital worker options for on-site operations.

- Safety – Remote e-stop, communications, and collaboration tools for reduced staff schemes
- Lone Worker – Communications, safety devices, and wearables
Command Center Requirements:

The system is highly flexible centrally or across any size fleets. Data aggregation is achieved from any source and location. Prior to installation, Command Center requires the following for optimal performance.

- Remote Operations Advanced – For more information see datasheet
- Windows® UX on connected devices
- 1 Mbps network connection (symmetric upload and download speed – six (6x) times safety factor applied). For contingency operations, the system may work lower speed. Network connection is supplied by customer.
- Ethernet connection within twenty (20 ft.) feet of the firewall installation
- Minimum two (2) units of rack space
- Connectivity RDP/VNC & HTML
- Windows interface and open-sourced non-proprietary protocols. If unavailable, a pre-requisite is a suitable interface through GE Cimplicity® and/or Proficy Historian
- GE will assist you in optimizing your data infrastructure to support your environment

Support & Services:

GE Digital provides system configuration and software installation

- Configuration and support services
- On-going cybersecurity patching and upgrades
- Optional Dashboard creation support
- Option-based safety equipment subscriptions