

Tracker 2023 from GE Digital



Increase throughput and accelerate time-to-market in conveyor and assembly manufacturing

Production Tracking & Order Execution Management to optimize your manufacturing process & production orders

With installations spanning the world, Tracker from GE Digital, part of the Proficiency family, is a comprehensive routing, tracking, and order execution management system that helps manufacturers raise productivity and cut costs by monitoring and managing the execution of production orders.

Tracker automates routing and sequencing to accelerate time to market, reduce warranty and recall exposure, and support Lean operations and building right the first time. This proven solution collects genealogy and traceability data for audit trails and regulatory compliance. Other capabilities include WIP inventory control, defect containment, hold management, substitution management, sequence management, broadcast, and more. Additionally, Tracker coordinates across the supply chain to help meet production schedules.

Built on GE Digital's widely used CIMPLICITY HMI/SCADA software, Tracker also enables ISA standards-based HMI to speed operator actions. It offers secure-by-design connectivity and certificate management. Configuration is simple with modeling for repeatability and time savings.

Proven in high-value, high-volume, high-variability environments, Tracker provides detailed, continuous information to help you make the best decisions for a competitive advantage.

Outcomes

- Increase throughput with detailed, continuous information to help you make the best decisions
- Enable faster time-to-market with powerful order execution
- Reduce risk including exposure to recalls
- Drive higher productivity and lower costs
- Leverage efficient scheduling and routing of materials
- Improve production performance with the ability to manage and adapt to real-time situations on a production floor
- Achieve Lean manufacturing and build right the first time

01 Increase throughput and launch new products faster

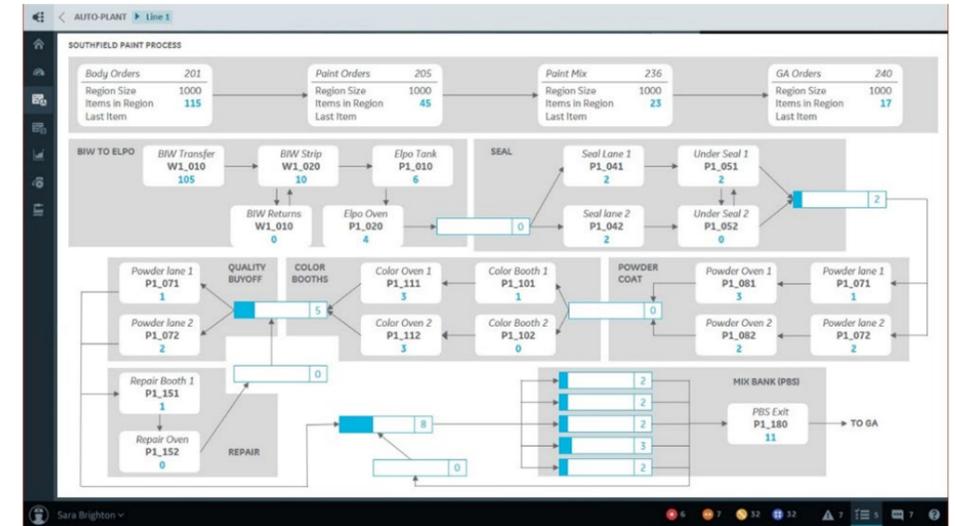
With Tracker, each serialized item that moves through your production or packaging process can be tracked. You get the information you need to optimize your manufacturing process while managing inventory levels and locations, scheduling resources, and routing materials much more effectively and automatically.

02 Implement Lean production to streamline operations and reduce costs

With Production Tracking & Order Execution Management, Tracker helps manufacturers and suppliers understand real-time sequence requirements and handle situations that occur on the plant floor when the sequence is broken – enabling manufacturers to build right the first time. It helps facilitate a large reduction in WIP inventories along with finished goods inventories while meeting production targets.

03 Improve inventory and production orders with real-time information

Better manage inventory, production orders, and routing materials with detailed data using Tracker. This software solution empowers your operators with real-time information and control of their operations to accommodate a variety of production flow adjustments.



A global standard for routing and tracking, Tracker accelerates time to market, reduces warranty and recall exposure, decreases costs, and enhances Lean manufacturing.

04 Achieve real-time flow management of jobs

Tracker provides the ability to not only track the real-time location of jobs on the production floor but can be configured to perform routing logic on the movement of jobs throughout the facility. This unique capability allows manufacturers to manage the manufacturing, routing, and delivery of multiple product components into complex product assemblies.



Complex production = automated routing and sequencing

Tracker is ideal for high volume, high variability, and high value operations



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Features

Recent New Features

- Multi-user development, accelerating configuration and deployment
- Ad hoc distributed queries
- SQL AlwaysOn support for high availability and disaster recovery for SQL Server (with exception of the Tracker Attribute Database functionality)

Proven Production Routing, Tracking and Order Execution Management

- Routing and tracking
- Order management
- Broadcast
- Sequence management
- Substitution management
- Hold management and defect containment
- Collects data from many automated sensors and readers, including bar codes, RF tags, and mechanical tag systems
- Maintains data for all jobs in the system, including content, status, location, and production counts
- Provides routing control of production orders through the production facility
- Facilitates Build to Order / Build to Sequence
- Ensures building it right the first time
- Enables Lean manufacturing
- Collects genealogy and traceability data for audit trails and regulatory compliance
- Coordinates the supply chain
- WIP inventory control
- Finding critical jobs
- Meeting production schedules
- Manufacturing resource utilization

Standards for IoT interoperability and gain enterprise-wide visibility

Tracker delivers a standards-based open ecosystem for superior interoperability and the foundation for IoT.

As part of the Proficy family, Tracker reflects GE Digital's commitment to OPC UA, MQTT, ISA 18.2, ISA 101, and more.

With Tracker, you can gain visibility across disparate, disconnected systems as well as a blueprint for manufacturing across enterprise-wide operations for a simpler, reusable manufacturing infrastructure.

Furthermore, through CIMPLICITY HMI/SCADA, you gain a powerful, widely-used SCADA system that includes device connectivity (both native and OPC), graphical development, alarm management, marquee and pager interfaces, client management, and much more.

Used in thousands of complex manufacturing plants globally

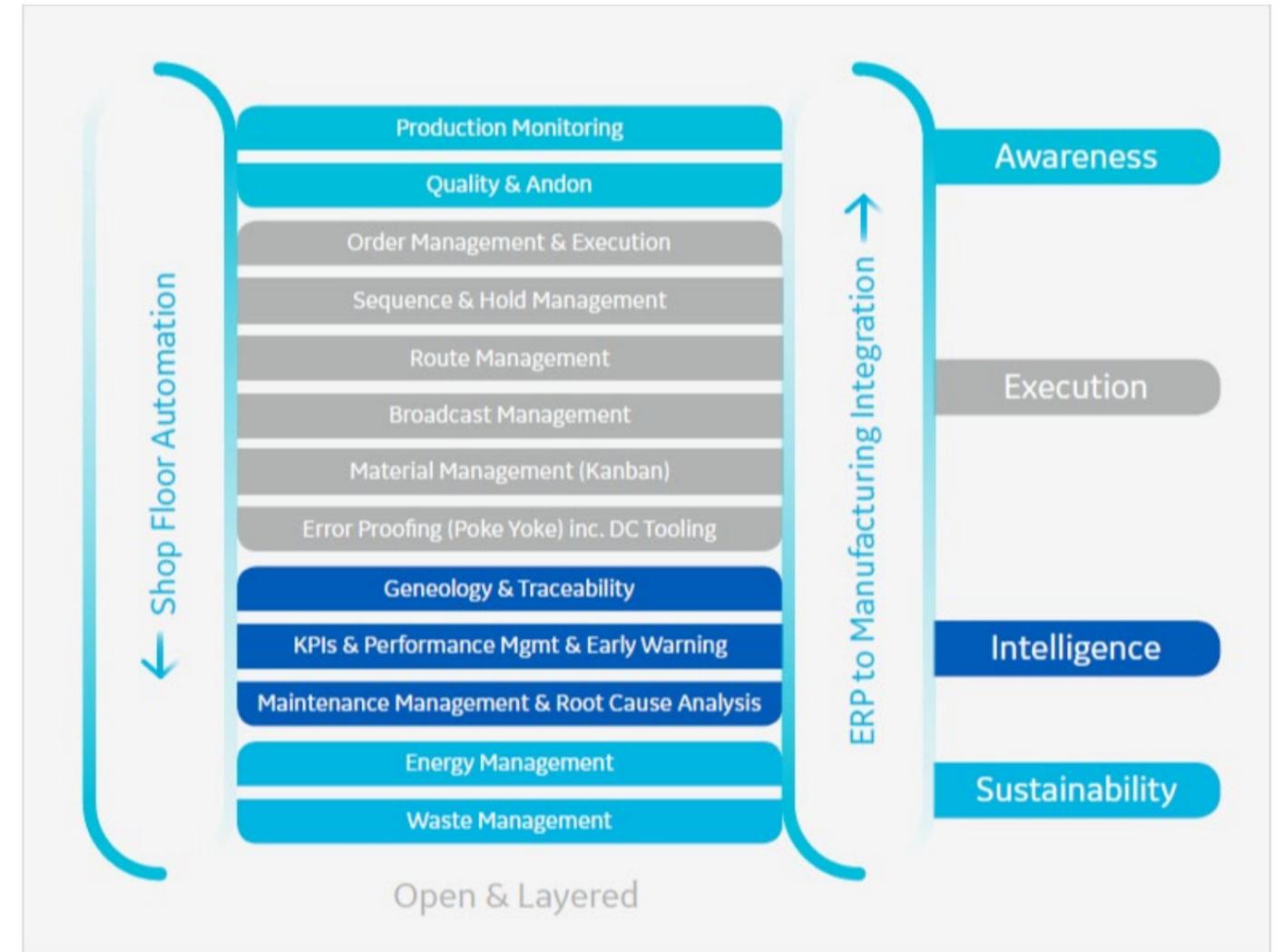
“There were mainly three criteria we considered during the selection process.

They were high quality, cost savings, and an integrated solution.

[The solution] from GE is quite outstanding in features and performance. ”

*Mr. Lijia Yang
Electrics Control Engineer,
Powertrain
Shanghai GM*

Please consult the [product documentation](#) for Hardware and Software requirements.



Discover how Tracker from GE Digital can increase your throughput and accelerate your competitiveness with proven, automated routing and tracking.

LEARN MORE

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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.

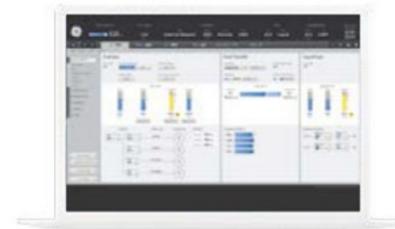
[Education Services](#) We specialize in education services to ensure that you're leveraging our solutions to the fullest extent with our training and certificate programs.

[Acceleration Plans](#) Let us help by ensuring that your business continues to operate at its highest efficiency, all while mitigating risks to your investments.

[Security Services](#) Our solutions provide industrial-grade security for a wide range of OT network and application topologies.

Unified and Integrated Proficy Products for Your Digital Transformation Journey

GE Digital's unified and integrated Proficy suite helps you precisely monitor, control, and visualize every aspect of your operations, enabling operators to make the best decisions faster. Transforming your business requires foundational innovations that lay the groundwork for future success.



[CIMPPLICITY](#)

Drive real-time visibility for smart operators with true client-server based visualization and control.



[Dream Report](#)

Powerful reporting to help you improve performance and meet operational goals.



[Proficy Operations Hub](#)

A centralized environment for aggregating and visualizing contextual and situational information, supporting rapid application development and rich displays for faster response.



[Proficy Plant Applications](#)

Maximize overall equipment effectiveness (OEE), improve production scheduling, and ensure product quality by leveraging real time production data.



[Proficy Historian](#)

Optimize asset and plant performance through time-series and A&E industrial data collection and aggregation. Improve decision-making with advanced trend analysis.



[Proficy Workflow](#)

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

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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