

A person's hands are holding a tablet computer in the foreground. The background is a blurred industrial factory floor with various equipment and workers. A blue and white network diagram with nodes and connecting lines is overlaid on the bottom half of the image. The title text is centered in a yellow box.

THE POWER OF A CNNECTED PLANT

How to improve production with
actionable information



WHY CONNECT?

Connect any
of your industrial
equipment to provide
automated intelligence
on machine and
process health

Distribute
real-time analytics
throughout the
organization

Actionable
information

Light architecture
allows for a quick and
easy deployment:

- Supports continual improvement processes
- Up to 50% production improvement
- ROI in months

Monitor uptime,
downtime, and
Overall Equipment
Effectiveness (OEE)

Drive down
costs and increase
productivity with
insights into never
before seen data

Conceived and
developed by
manufacturing
experts

THE FREEDOM PLATFORM

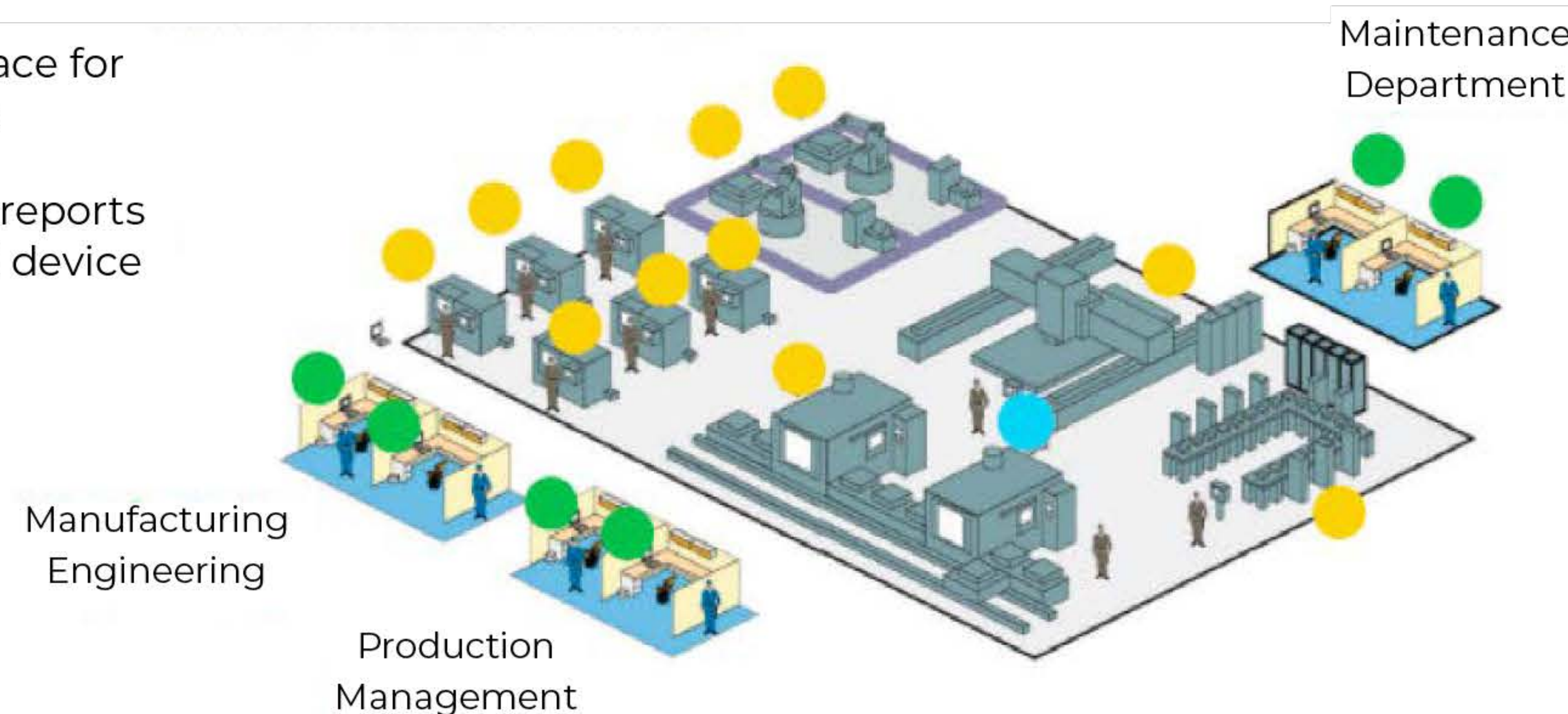


DATA FLOW WITH BUSINESS SYSTEMS



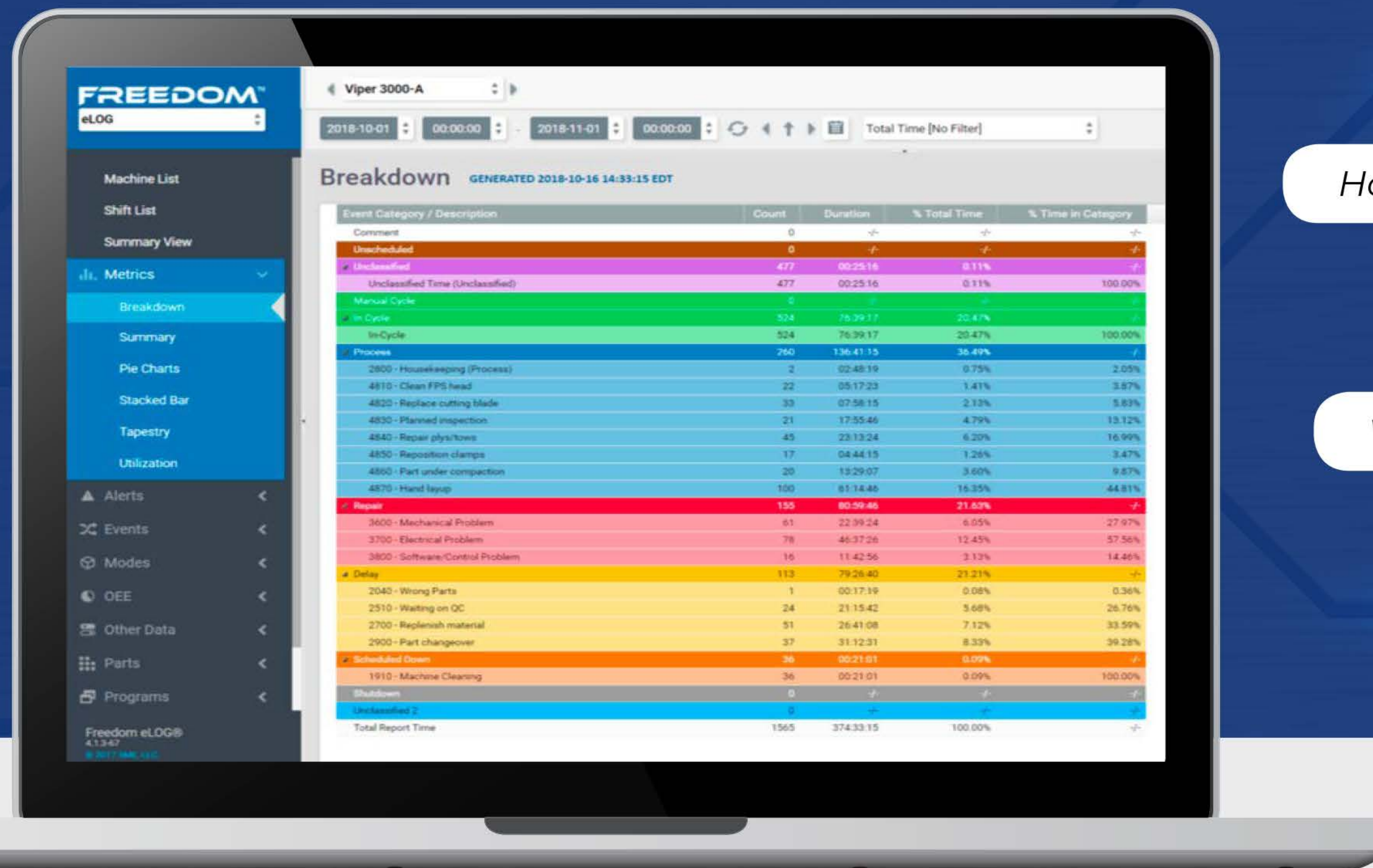
DATA FLOW WITH PLANT FLOOR ASSETS

- One Freedom Interface for each industrial asset
- Freedom web-page reports from any networked device with a browser
- ANDON Station



- Line of business integration with other systems
- Software hosted on premise or cloud
- View of single machines/assets, value stream, or entire plant floor

INCREASING VALUABLE PRODUCTION TIME



How can I uncover more capacity?

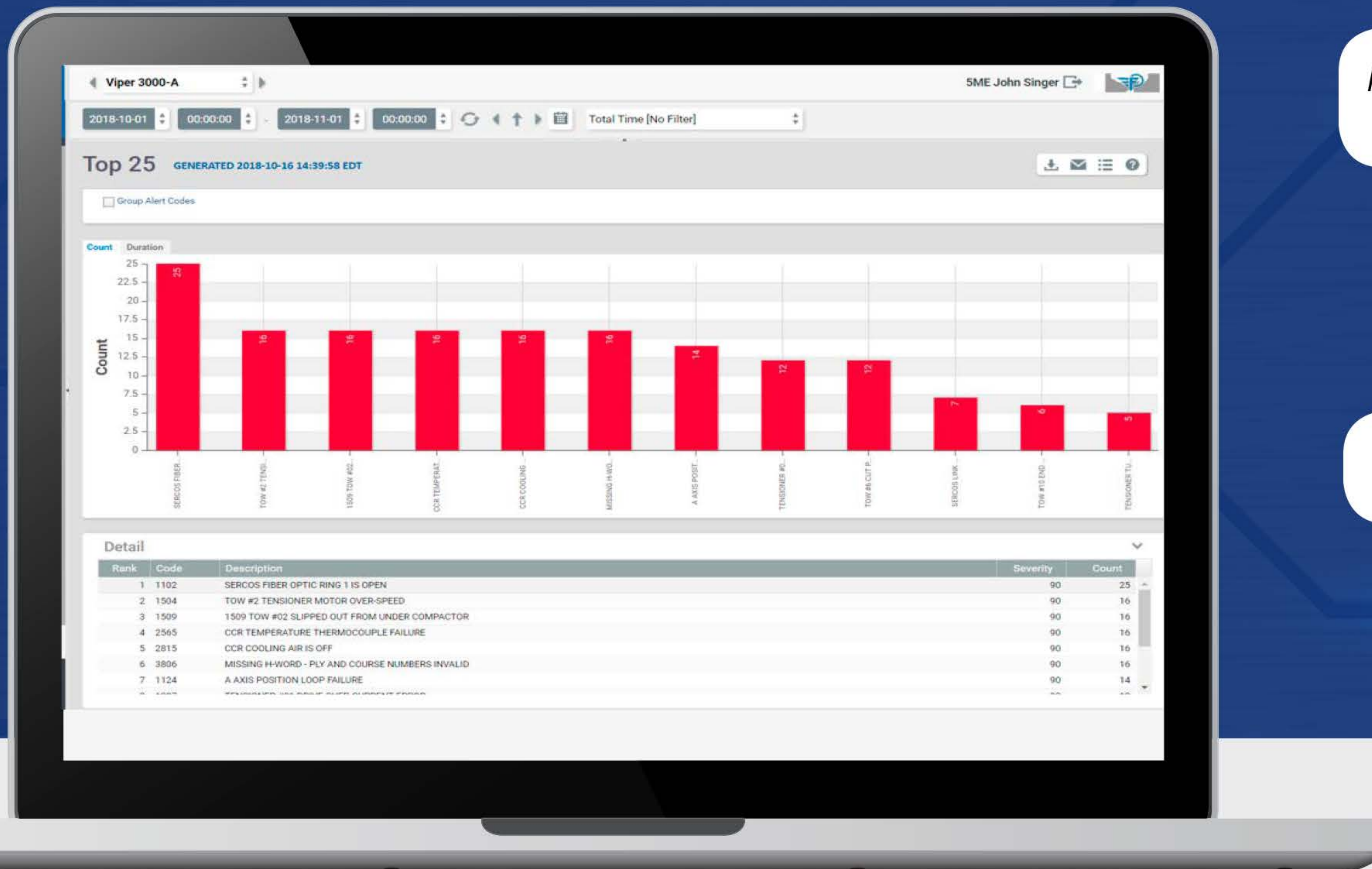
What is holding up my production?

What are my process problems?

How are my assets being utilized?

- You can view all time categories spent with this machine, or machines, over an indicated time
- Drill down for the details in each event
- Compare machines by cells, value streams, shifts, and more
- Analyze production time and resolve unnecessary downtime

VISIBILITY TO TOP ALERTS AND EVENTS THAT CAUSE DISRUPTION



How can I easily visualize the duration of my alarms or maintenance issues?

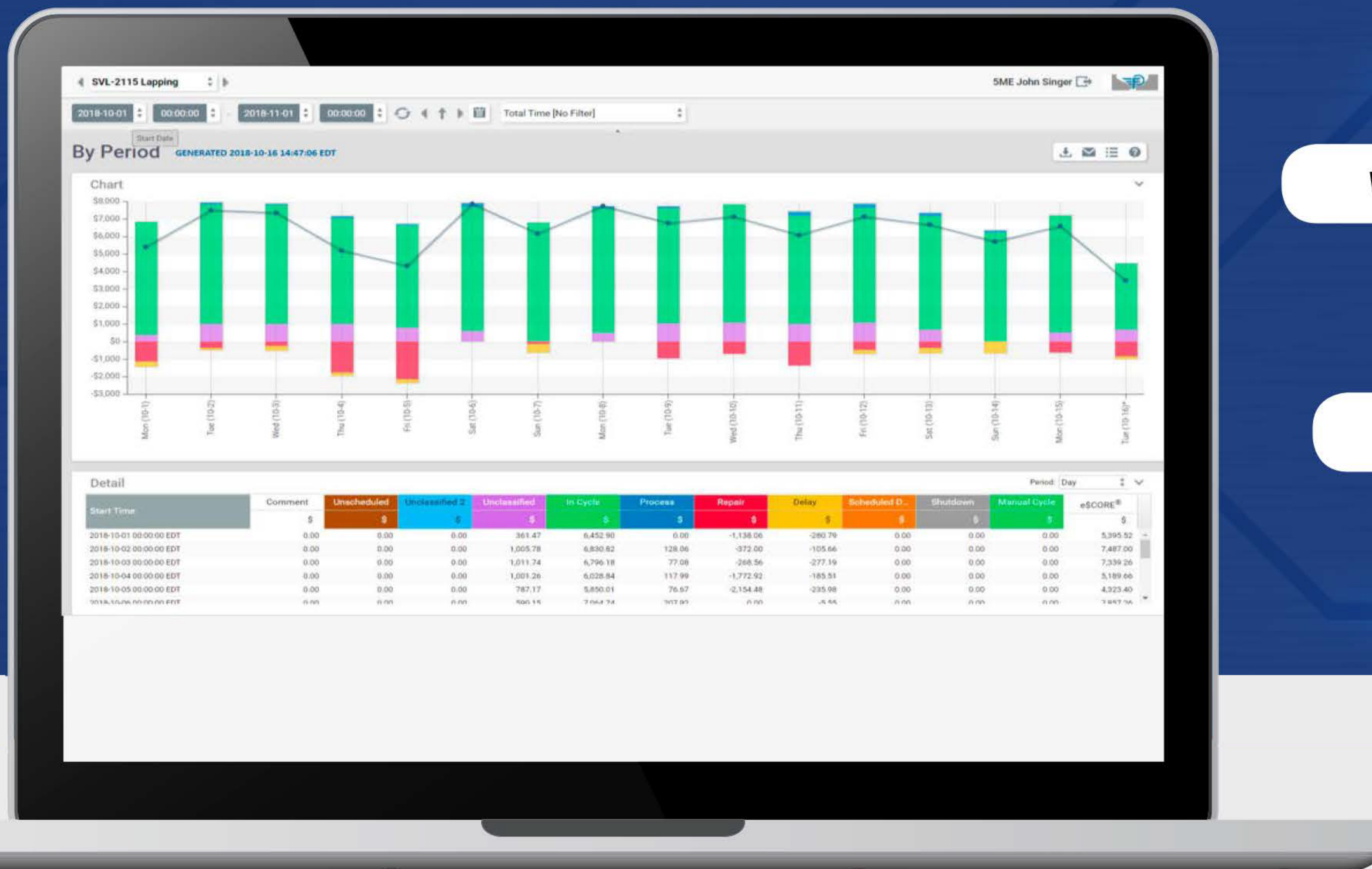
How do I stay proactive and keep up with machine health and avoid unnecessary downtime?

Can Freedom integrate with my maintenance systems?

Can I receive email or text message alerts?

- Pinpoint the top problematic areas quickly
- View real-time and historical details of machine alarms
- Receive condition-based email or text messages related to the items that you need to know about, when they occur
- Easily integrate machine information to current enterprise maintenance systems

STREAMLINE FINANCIAL REPORTING FROM THE SHOP FLOOR TO THE TOP FLOOR



What are my production costs?

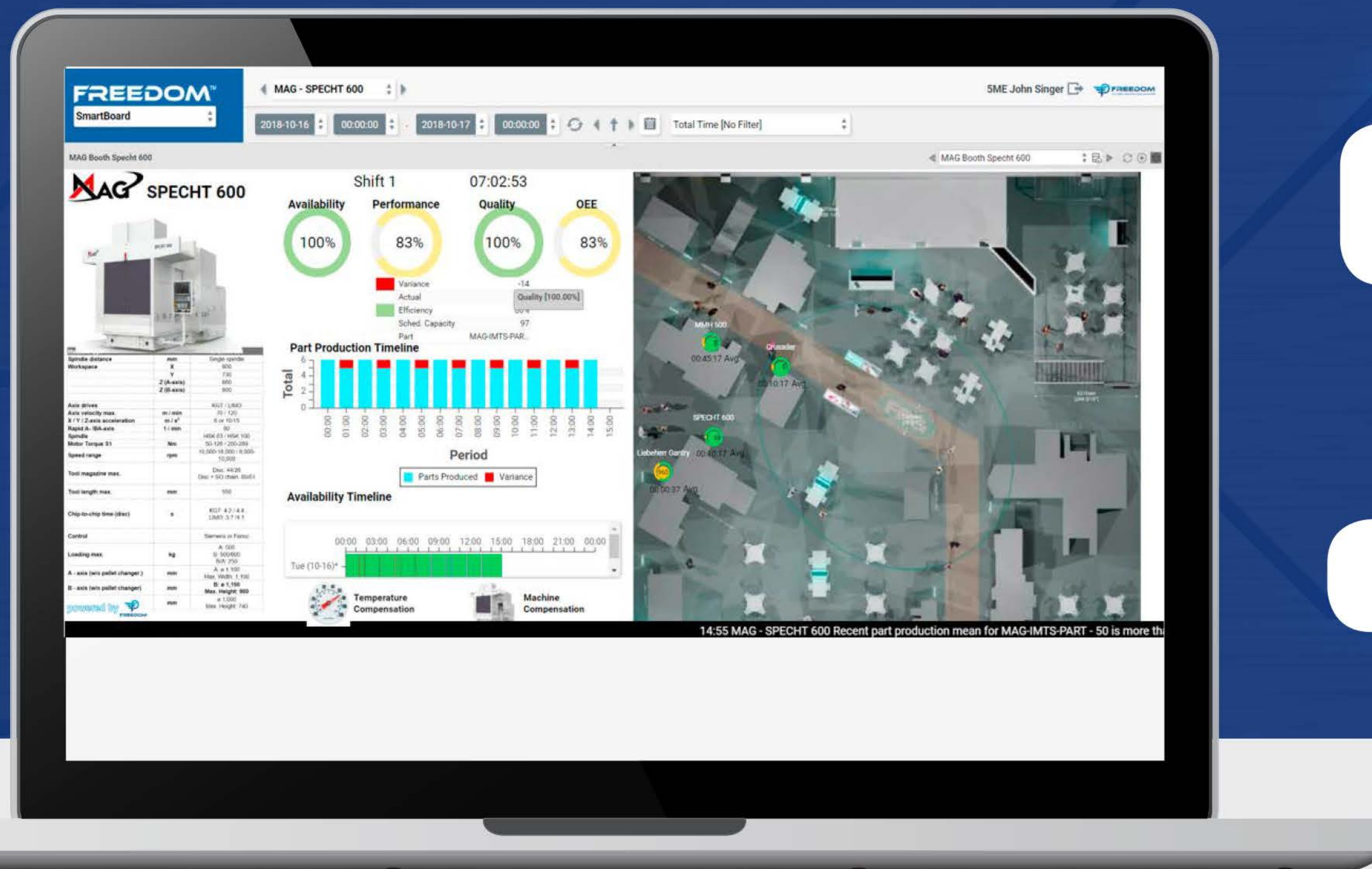
How are my assets performing?

Where am I losing revenue?

How do I quantify a major repair project?

- Monetized view of asset performance
- Drill down into specific losses
- Analyze asset investments for upcoming projects
- Receive information for Return on Asset analysis (ROA)

COMPREHENSIVE AND USER CREATED VIEWS



How do I set up views that provide specific information that is important to me?

Can I provide custom views across different teams?

Can I provide real-time views to everyone in my operation?

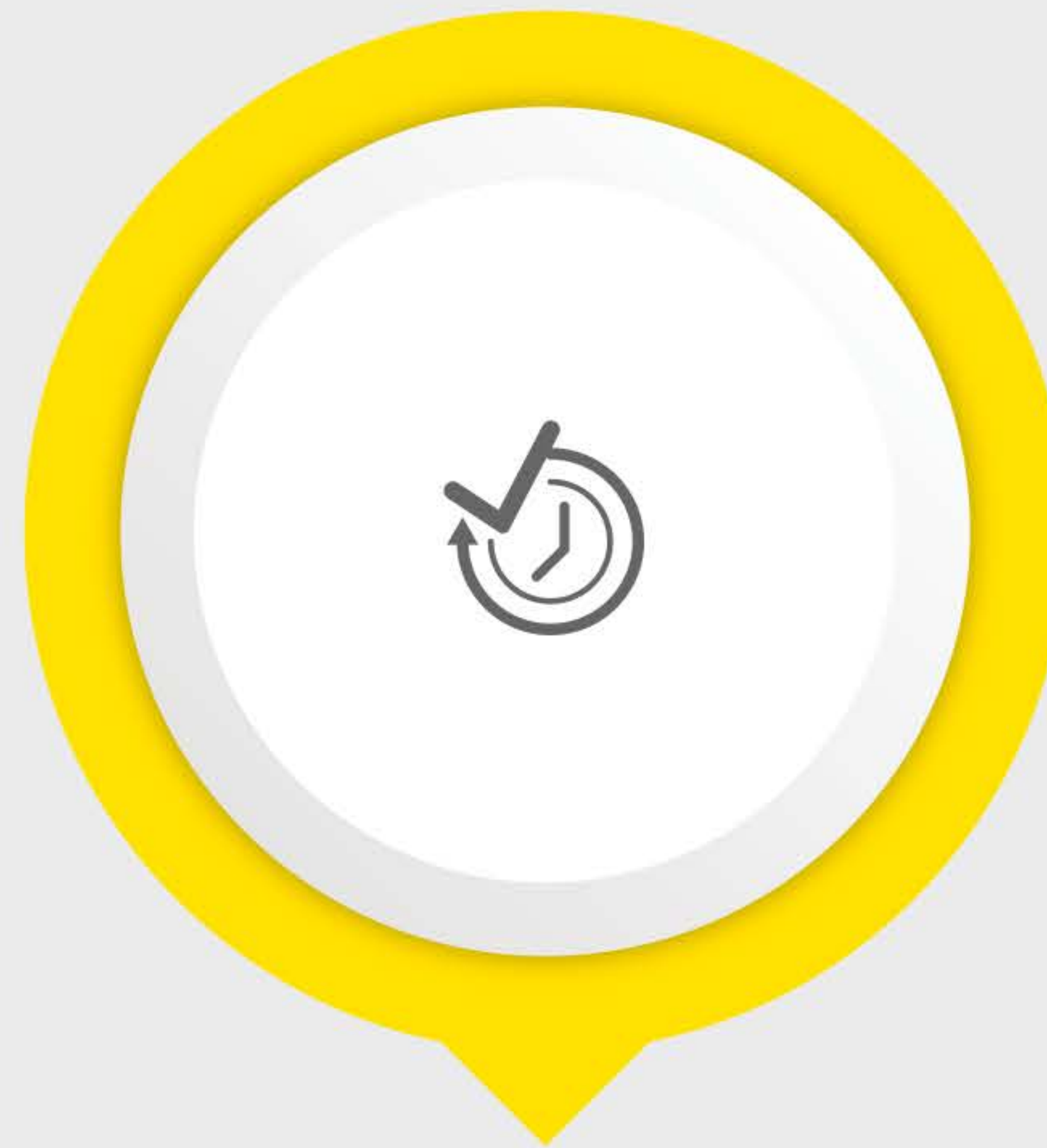
- Design your dashboards to include what's important to your operation like OEE, it's components, and part counting
- Create personal dashboards for use at your desktop or shared dashboards that could be used on the shop floor on a large display
- Use dashboards for customizable views and create slideshows to increase the information that you share

ANY ASSET AND ANY MACHINE



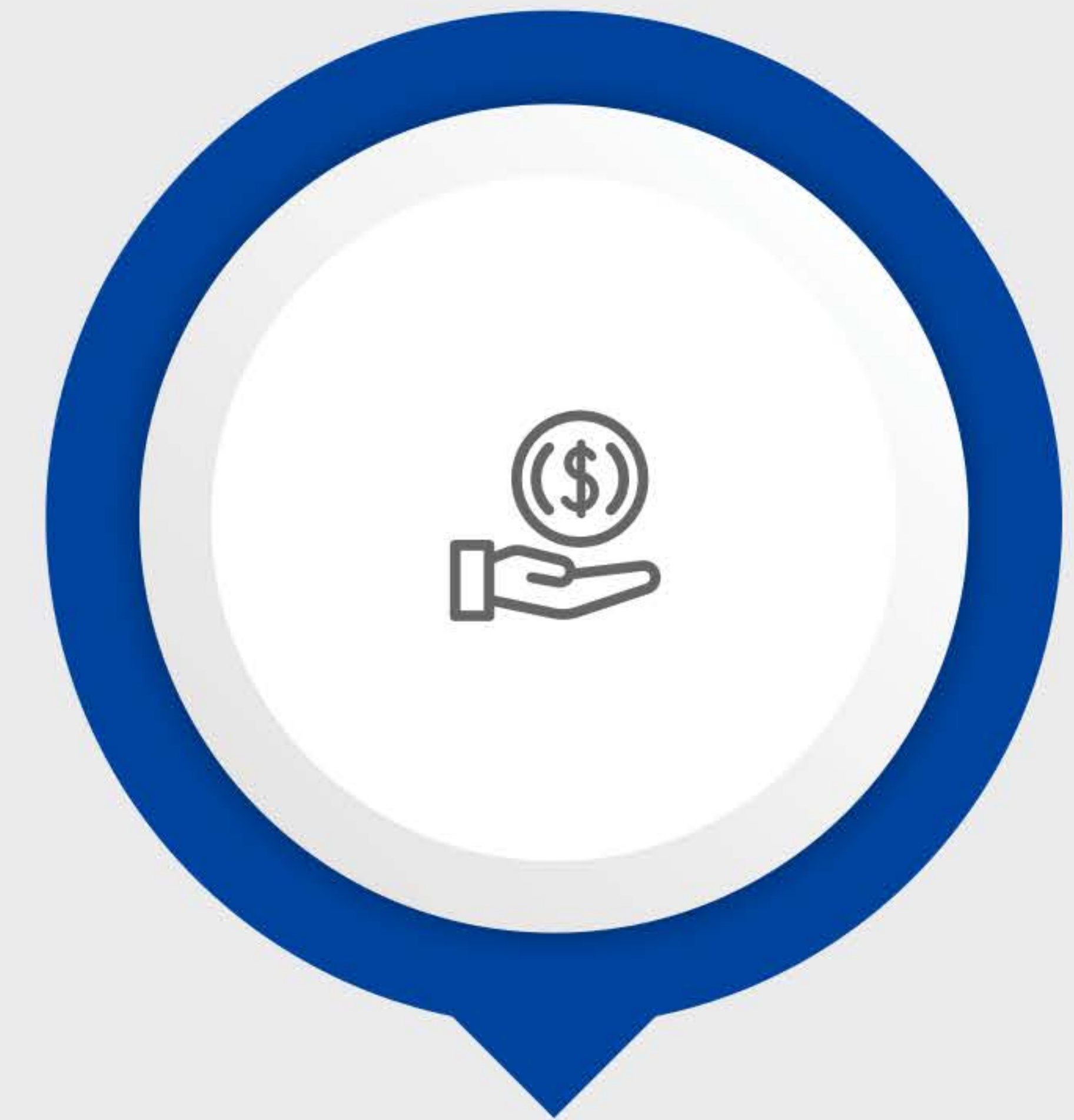
Rapid Deployment

- Connect to any industrial asset for complete factory coverage
- No special engineering needed resulting in no disruption to your operation
- Available from any web browser



Actionable Real-Time Information

- Intuitive graphical interface makes accessing information quick, accurate, and easy
- Comprehensive standard reports drive best practices
- User dashboards can be personalized to contain the information you want to see



Value

- Light architecture and footprint minimizes IT expenditures
- NO third-party licensing fees
- ROI results in months not years

About Freedom IOT

Freedom's software development team has over 200 years of collective experience in controls integration, automation, material handling, and discrete manufacturing in the IoT manufacturing industry. The same team that brought to market the first FMS (Flexible Manufacturing System) in the early 80's and the Cell Controller in the 90's, has translated that knowledge into a Smart Manufacturing Platform for the Industrial Internet of Things (IIoT) era.

Freedom IOT is comprised of manufacturing people from the machine tool industry with intrinsic knowledge of machinery and industrial automation processing; from milling, turning, grinding, bending, forming, punching, welding, additive manufacturing to robotics, general automation and motion control.

The company is focused on world-class manufacturing performance, with Lean Manufacturing and Six Sigma experience, which allows it to support companies with continuous improvement initiatives. This in-depth knowledge of the manufacturing process has allowed creation of an innovative manufacturing platform that goes beyond reporting of Overall Equipment Effectiveness (OEE) and other Key Performance Indicators (KPI's) to provide actionable results to run more efficient, more profitable operations.



Ready to liberate your data? Come get a taste of FREEDOM.

Call us at **513.719.1600** or visit our website at **www.FreedomIOT.com** to schedule a demo.