

# GET CONNECTED

Industrial companies that analyze and optimize their machines are positioned to succeed in the era of the Industrial Internet. The steps sound simple, but they deliver big results. Using machine sensors to monitor equipment performance generates a constant stream of in-depth data, which can be consolidated into a central hub and used to derive meaningful insights. Operators with this capability gain actionable information that can increase asset reliability and enables more precise maintenance actions, reducing cost of ownership.

Industrial companies are feeling the urgency to get connected and gain insights from their machine data. 87% of manufacturing and oil and gas executives surveyed, stated that big data and analytics are in their top three priorities. That number soars to 94% for power generation.\* The urgency to connect and act on machine data is widespread—and the opportunities are well recognized.

As the Industrial Internet takes hold in industries around the world, there's never been a better time to take control of your operations.

**And the first step lies in getting connected using GE's Asset Performance Solutions.**

## Customer results from Getting Connected:

An oil and gas offshore customer

**\$5.3MM**  
saved by preventing oil platform  
equipment failure

A power generation company

**\$1MM**  
realized within 1 month  
of deployment

A food beverage manufacturer

**20%**  
decreased rework

## 3 WAYS GE'S ASSET PERFORMANCE SOLUTIONS GIVE YOU THE EDGE

GE's Asset Performance Solutions help customers lay the foundation for the Industrial Internet and grow in analytic capabilities to maximize the value of their industrial assets.

- 1 GET CONNECTED** for visibility into assets, any time and from any vendor.
- 2 GET INSIGHTS** to capture a holistic, real-time view of asset performance, perform predictive-based maintenance, and work toward no unplanned downtime and greater reliability.
- 3 GET OPTIMIZED** to balance reliability, performance and cost when defining maintenance strategies across operations.

GE's Asset Performance Solutions are built on **Predix**, your cloud platform for the Industrial Internet.

See what happens when you  
**GET CONNECTED**

# GET CONNECTED AND GET BETTER OUTCOMES

Connected assets are the first step on your Industrial Internet journey—and getting started comes with real benefits.

“Any solution that helps to ensure the integrity of our assets—while minimizing production disruptions—offers significant benefits for our operations.”

**Gillian Goby**

Production Enhancements Team Leader, BP

## Consolidate Disparate Data

A single, secure operating system gathers data from a wide variety of assets and systems, creating a comprehensive and validated data repository while driving more informed maintenance decisions.

## Visibility with Mobility

Sensor technology and big data provide visibility into machine health and performance across all types of assets, no matter the equipment vendor. Factors such as temperature, vibration and other conditions are unified for a holistic view of maintenance and workflows.

## Lower Overall Costs

Take control of your repair decisions with broad-reaching data that reflects resource availability, operating impact and real-time condition reports. Focusing on assets that need repair when they need it lowers total cost of ownership and reduces risk of unplanned downtime for mission-critical assets.

**10,000**  
times more effective  
O&G leak detection

**85-95%**  
OEE rate achieved by a  
Fortune 50 manufacturer

**GET CONNECTED**  
like leading oil and gas, power generation  
and manufacturing companies

# THESE 3 COMPANIES ARE ALREADY REAPING THE BENEFITS OF CONNECTED ASSETS

GE's Asset Performance Solutions will take you from connected assets through optimized maintenance strategies.



## GET CONNECTED

Obtain asset, plant and enterprise-level visibility for greater operational control.



## GET INSIGHTS

Move closer to zero unplanned downtime with predictive maintenance and collaborative workflows.



## GET OPTIMIZED

Achieve optimal balance of performance and cost to define maintenance strategies for all assets.



## Oil & Gas

Equipment downtime is costly whenever it occurs but when the facility is located 100 miles from shore, the operator faces a significant challenge. That's why companies such as BP take advantage of real-time online condition monitoring technologies to provide early identification of developing abnormal conditions and help them avoid potential incidents.

Get connected like this oil and gas company



## Power Generation

The 445-megawatt Whitegate gas combined-cycle power plant is located 25 miles east of the city of Cork, and provides power to 10% of Ireland. It's owned by Bord Gáis Energy, and is the premiere site of GE's Asset Performance Solutions. This groundbreaking solution uses big data to reduce maintenance costs and avoid potential operational issues by identifying them before they occur.

Get connected like this power generation company



## Food & Beverage

The broad range of assets of varying ages and functions makes system-wide insight both necessary and complex for food and beverage manufacturers. But getting connected helped this Fortune 50 manufacturer smooth out process variation and increase visibility into multiple lines across multiple plants.

Get connected like this food and beverage manufacturer

## WHY GE?

As a leading industrial manufacturer, GE has decades of experience managing complex operations. GE operates monitoring centers globally for multiple industries, monitoring over 50 million data elements representing over 10 million sensors and \$1 trillion worth of assets on behalf of GE customers. This experience with sensor technology, machine data management, physics-based analytics and operational process helps customers gain a competitive advantage with GE's Asset Performance Solutions.

## GE APM ASSESSMENT

Learn more about how you can get connected and start realizing the benefits of consolidating disparate data, gaining greater visibility and lowering operating costs.

[ge.com/digital](https://www.ge.com/digital)