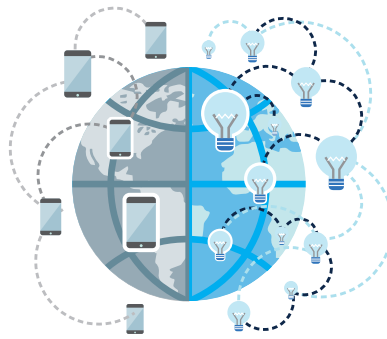




# THE DIGITAL INDUSTRIAL COMPANY

In 2015  
there were about  
**5 billion**  
TOTAL  
Internet-connected  
devices.



**While in 2020,**  
**50 billion**  
machines will  
be online.

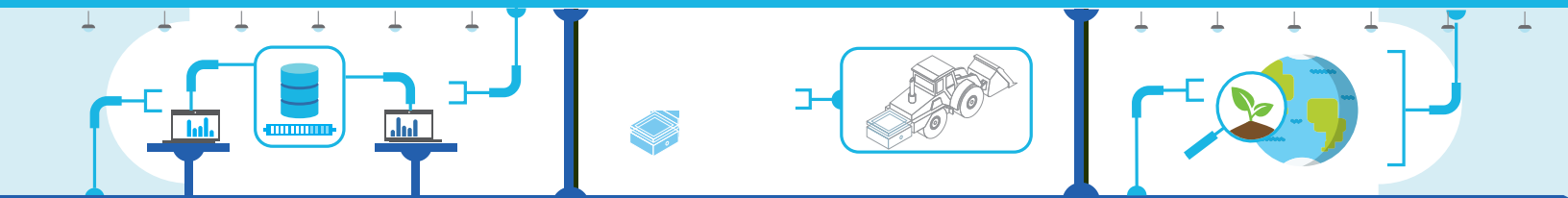
## WHAT IS A DIGITAL INDUSTRIAL COMPANY?

**Digital industrial is the merging of the physical and digital worlds and GE is leading the way.** We have more than 124 years' experience building powerful machines—from jet engines to gas turbines to locomotives—and we're connecting those machines with software so we can be responsive and predictive, delivering better results for customers.



**GE IS REIMAGINING  
HOW AN INDUSTRIAL  
COMPANY OPERATES**

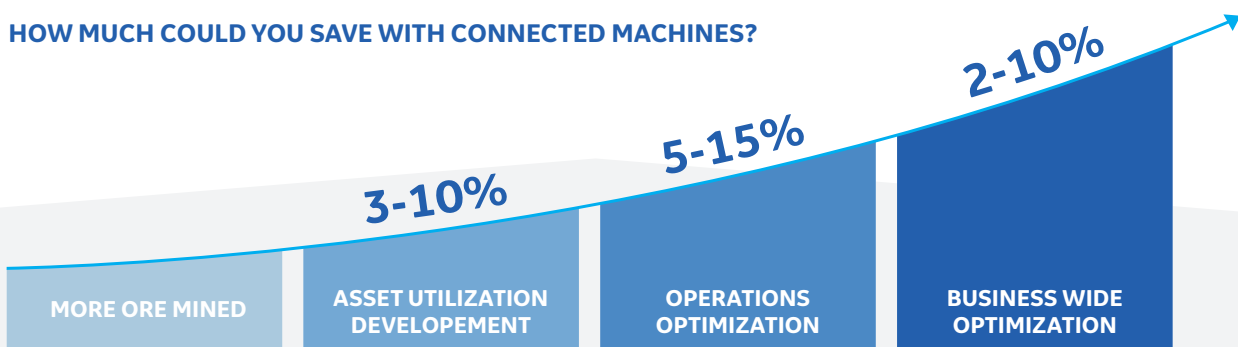
## WHAT CAN A DIGITAL INDUSTRIAL DO FOR YOU?



Data and analytics are used to build a digital twin, or model, of every GE machine.  
For example, a digital twin of the 7-ton battery load haul dump vehicle  
**MINIMIZES FUEL CONSUMPTION, UNSCHEDULED DOWNTIME, AND EMISSIONS.**

## POWER OF 1

HOW MUCH COULD YOU SAVE WITH CONNECTED MACHINES?



**A 1% IMPROVEMENT IN EFFICIENCY ACROSS THE ENTIRE MINE VALUE  
CHAIN ADDS UP TO NEARLY \$5 BILLION IN SAVINGS PER YEAR JUST  
AMONGST THE TOP 40 MINERS\***

\*Top 40 miners in 2014 PWC Report 2015

# INDUSTRIAL BRAWN MEETS ANALYTICAL BRAIN



At GE, we understand our customers' pain points. With low commodity prices and increased mining complexity, customers are looking internally for ways to increase throughput, get more from their assets, optimize their processes, and increase safety. In fact, for 97% of miners, big data is one of the top 5 priorities.\*\*

GE works together with our customers to understand their operation, identify the pain points, and select the best implementation strategy that integrates, automates, and optimizes our customers' operations by providing real-time, data-driven insights. Ultimately, the software gives our customers the ability to focus on the things that matter most—helping them make fast, informed decisions to grow their business.

\*\* 2015 Industrial Internet Insights Report

## GE DIGITAL ASSET PERFORMANCE MANAGEMENT



Get a unified view of your asset's current state and health to accurately predict and diagnose issues before it negatively impacts operations. And, do this all while balancing availability, performance, and costs against risk to maximize asset value.

## GE DIGITAL OPERATIONS OPTIMIZATION



Increase revenue and productivity with a complete control-to-cloud optimization solution. Consolidate key performance indicators (KPIs) for both business and operations, and optimize process performance in real-time to increase throughput, recovery, and efficiency.



## EXPERT ON ALERT FOR GE DRIVES

GE's Expert On Alert (EOA) system is a remote monitoring and diagnostic (RM&D) offering for GE's electric drive systems on mining haul trucks. This proven system continuously monitors the GE drive system operation, sends an alert if there is an anomalous event, and then provides a simple step-by-step recommendation (RX) on how to effectively diagnose and fix the problem.



## COLLISION AVOIDANCE SYSTEM

Help safeguard your people, equipment, and infrastructure with the GE CAS suite, a sophisticated and adaptable collision avoidance and reporting system developed specifically for the mining industry.

Our digital industrial solutions combine the latest on-board computing, enterprise software applications, and an industrial-scale software platform that integrates these solutions into a cohesive operating system to optimize our customers' entire operations.

**AND IT'S A GAME CHANGER.**

**Our success as a digital industrial depends on partnering with our customers.**  
We must access the data and deliver outcomes by working together.

