How do the largest global manufacturers achieve **high-impact** business outcomes?

By harnessing the power of advanced analytics to innovate, transform, and grow.

Maximizing asset uptime with predictive analytics to ensure safety, increase throughput, accelerate speed-to-market and improve manufacturability

Predictive Maintenance

A global construction machinery/equipment manufacturer boosted the operational efficiency of its assets using advanced analytics and predictive failure models to enable higher uptime operations, **saving over $100M in operational costs over 2 years.**

Maximize Asset Value

Siemens analyzes data from 300+ sensors and 1000's of event reports to identify predictive failure patterns. They implemented a predictive asset management plan: increasing uptime of assets, improving maintenance scheduling, reducing labor costs and offering customers uptime guarantees ("Product as a Service").

Achieve Maximum Overall Equipment Effectiveness

HGST implemented large-scale analytics for yield improvement, discovering opportunities to reduce scrap and waste while decreasing time-to-market and uncovering issues in minutes or hours instead of weeks. For one particular issue, HGST **scanned 380Bn test points in more than 8M drives.** They found irregular distributions and **identified a code-level bug that was causing failures and leading to excessive scrap, saving >$5m.**

TERADATA.

The Manufacturing Sector is Changing

Manufacturing transformation is being driven by unprecedented changes in technology (including a radical shift in the use of IoT), intensified pressure on margins due to an increasing reliance on globalized production systems and a radically changed competitive landscape.

To maintain profitability, manufacturers will likely need to alter their traditional business models and operating methodologies to maintain stability and become more sustainable.

> "We chose Teradata and Think Big Analytics because they had the experience and skills necessary to accelerate our time to value in big data analytics. They helped us with all aspects of our data implementation and continue to work with us as we evolve and expand in our journey."
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> – JuneAn Lanigan, Global Senior Director, Enterprise Data Management, HGST

Maximize asset uptime and throughput using predictive asset management	A major provider of medical diagnostic and treatment machines uses predictive maintenance to create "wear-out models" for component parts, resulting in a 12% increase in uptime and significantly longer lifetimes for costly components.	Effectively bring sensor level data into the supply chain, asset maintenance, and product design systems to gain a more granular picture of machine behavior in situ
Utilize data from all sources to increase overall equipment effectiveness	The Coca-Cola Company has conducted widespread analysis on the potential value that can be achieved by managing data. Their advanced enterprise solution quickly generates a single view of multi-channel information and converts petabytes of data into usable information. This boosts Coca Cola's ability to respond to competitor activity, market changes, and consumer preferences.	Use analytics to predict faults and ensure those valuable assets are always (or more often) available when required
Gain granular level detail to prevent assets from falling offline	A global microcontroller manufacturer uses analytics to optimize and maximize specific maintenance plans according to the current and projected condition of the individual asset, including: inspections, standard maintenance, and part repair/replace	Increase asset utilization and reduce unnecessary manpower, material outlays, and downtime caused by unexpected equipment failure

Why Teradata

We have a long history, working with the world's largest, most complex companies. They have confidence in our ability to meet their short, medium, and long-term analytical requirements.

We deliver against our promises, supporting our customers in confidently embracing their most complex analytical ambitions, while driving hundreds of millions of dollars in value.

We are recognized for our superior technology vision and capability based on integration of Teradata and open source technologies deployed in the public or Teradata cloud, and/or on-premises across Teradata and commodity hardware.

We provide high-performance analytical ecosystems, experienced data scientists, industry and implementation experts that empower our clients to increase revenue and drive operational efficiency.

Our Objective
Help remove technical barriers that hinder success

Our Philosophy
Enable the discovery and operationalization of new insights, at scale, across any business

Our Focus
Deliver ROI, enabled by the best analytics platform and optimal cost/performance mix