



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

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

Grow revenues, optimize asset uptime, boost product quality and improve efficiency in the face of growing global competition



Maximize Asset Utilization

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.**



Boost Quality

A global computer manufacturer with more than 10,000 business users **leverages more than 300TB of data** to process 1Bn queries per month to diagnose quality issues **30-50% faster and save \$MM per year** in time spent determining root cause.



Achieve Operational Efficiency

BMW **reduced costs for supplying parts to its regional factories by air freight 70% over two years**, allowing them to improve profitability and to focus on quality and innovation, creating a more reliable supply structure.



Optimize Processes

Volvo Cars maximized data for innovation and **reduced management expense by approximately 2/3**, by introducing an enterprise-wide solution that eliminated three single-purpose data marts and achieved a time-adjusted return on initial project costs of more than 135% within 1-year.





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 are able to provide completely new services with up-time guarantees, risk-sharing models, and performance-based contracts for mobility systems. The Internet of Things is revolutionizing the railway industry. Alongside automation, excellent service will be a key differentiator, with customers buying the operation of the vehicle rather than the vehicle itself.”

- Gerhard Kress,
Director of Mobility Data Services, Siemens

<p>Maximize asset uptime and throughput using predictive asset management</p>		<p>A major provider of medical diagnostic and treatment machines uses predictive maintenance to create “wear-out models” for component parts, resulting in 7% increase in uptime and significantly longer lifetimes for costly components.</p>	<p>Maximize lifetime value of assets and optimize uptime with predictive analytics to ensure safety, increase throughput, speed-to-market, and manufacturability</p>
<p>Improve quality by predicting, detecting and resolving issues faster</p>		<p>A major computer manufacturer handles more than 1Bn queries a month from 10,000+ end users (using advanced analytics on more than 300 terabytes of data) to diagnose issues faster, saving 30-50% of time previously spent manually writing queries.</p>	<p>Boost quality with advanced analytic insights that reduce rework and scrap, lowering warranty, returns and service calls while enabling continuous yield improvement to achieve zero accident/zero defect manufacturing</p>
<p>Create demand driven processes by achieving operational efficiency</p>		<p>A global microcontroller manufacturer successfully built a predictive cash flow model that forecasts cash balances within 2-3% of actuals, a 75% improvement in accuracy and surpassing an industry-wide 5% benchmark.</p>	<p>Derive insights from any data source to maximize revenue generation, reduce annual operational costs and achieve rapid return on investment</p>
<p>Deliver adaptive manufacturing and transform traditional business models</p>		<p>Siemens sells their products as a service, predicting and preventing failures and instituting pre-emptive service/repairs, creating a cost-efficient way of managing stock and altering the traditional asset “ownership” model.</p>	<p>Radically increase throughput with the highest yields while improving quality and consistency, reducing excessive wear on equipment/assets, ramping up fast and achieving more stable throughput safely, efficiently and reponsively</p>

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

10000 Innovation Drive, Dayton, OH 45342 Teradata.com

Teradata, Teradata Rapid Analytic Consulting Engagement™ (RACE™) and the Teradata logo are registered trademarks of Teradata Corporation and/or its affiliates in the U.S. and worldwide. Teradata continually improves products as new technologies and components become available. Teradata, therefore, reserves the right to change specifications without prior notice. All features, functions, and operations described herein may not be marketed in all parts of the world. Consult your Teradata representative or Teradata.com for more information.

Copyright © 2018 by Teradata Corporation All Rights Reserved. Produced in U.S.A.

05.18 EB10134

