

# Unlock New Value



from your Machine Data and Business Models



## The opportunity of Industrial Big Data

The industrial network of connected machines with data analytics is creating a new frontier of competitiveness for information-centric, modern organizations.

Asset-intensive companies are amongst those that create, or have the inherent potential to create vast amounts of data – data that, when assimilated and put in context, will open the door for operational transformation breakthrough.

And it all starts with data.

Data-driven decision-makers demonstrate better outcomes:\*

Higher productivity

4%

Greater profitability

6%

Higher market value from IT

50%

\* Source: Based on research from the Center of Digital Business at MIT Sloan School of Management.



## Asset performance management that drives operational cost reductions

Bringing islands of disparate data together and providing contextualized asset performance insights, Historian is the foundation to extend asset life expectancy and keep plants running at peak efficiency – uncovering cost reduction opportunities.

## Faster time-to-value, data collection has never been so simple

GE's Historian is at the **heart of better business outcomes** – a turn-key solution for powerful data collection and representation of your industrial time series data. It is the first historian with a reduced implementation footprint.



It offers best-in-class historian capabilities and provides insights from the edge to the Predix cloud.



So you can analyze data closer to the data source for faster actions on asset performance insights, and build more complete asset performance models as data is sent to the cloud where more data is aggregated for better context.

## GE's approach to gaining asset performance insights

### Improve personnel productivity

Remove manual processes. Automatic data gathering and simplified data representation allow your skilled personnel to focus on finding improvement opportunities.



*Helps Operations Teams reduce non-value added time, remove errors, and provide timely insights*

### Create a foundation for predictive analytics and optimized maintenance

Organizations that invest in digitizing operations are connecting more sensors to assets, creating more data and bringing other data types to build predictive models. This requires Big Data capabilities.



*Helps Operations Management and Leadership make better decisions*

### Provide a forward-looking data utilization approach

Obtain adoption by delivering a solution that yields high usability through mobile and dashboarding capabilities. Historian provides a new way of doing it that yields high usability (UI), mobility, cloud-ready data management and big data analytics-ready capabilities.



*Helps IT lean implementation and lower costs*

Unlock the value of your industrial big data today.



The latest version of Historian provides rapid time-to-value with a simplified way to connect to your data sources and analyze on premise for instant asset performance insights.



The solution also positions your organization for the future as it is cloud ready for Asset Performance Management (APM), powered by Predix...



...and offers native migration of your industrial time series data to HDFS in support of your corporate big data strategy.

Also learn about Machine & Equipment Health, part of our APM Solution Suite.

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