

# Learn to trust your data again

How rigorous data integrity software can improve uptime, performance, and operator confidence

Data is growing exponentially but much of it is unused, underused, or untrustworthy. Not knowing if your data is accurate, reliable, and clean, can have huge implications, putting your company's operations at risk.

We currently measure poor data (indirectly) by its impact



Perhaps we should instead look at the underlying data



90% of industrial data was generated in past 2 years

95+% of operational data not leveraged

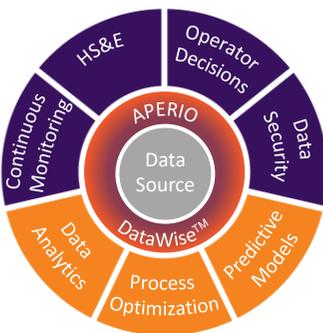
20% of sensor data estimated to be unreliable

Data volume will **double** in 3 years; **triple** in 5 years

Poor data quality costs the average company **more than 15%** of revenue.

What if we could eliminate bad data and guarantee data reliability 100% of the time?

Data integrity is foundational to your digital transformation journey



Because it is the necessary software layer between the **source** of the data—historians, data lakes, SCADA systems—and the **applications** of that same data—visualization, analytics, optimization, predictive maintenance—**Data Integrity** is foundational to every application in the digital transformation journey.

Without accurate, trusted data, any function that uses this data—from the control room to the board room—is **worthless** and any operational or business decisions based on this data is **unreliable**.

Solving data integrity across the enterprise

An effective Data Integrity solution is much more than just eliminating poor data quality issues. It must be rigorous enough to achieve all three at scale:

DATA INTEGRITY				
<p><b>Better Data Validation</b></p> <p>Monitor sensor reliability and health, dramatically improving data quality across the enterprise.</p>	<p><b>Increased Visibility</b></p> <p>Increase visibility across the enterprise. Equip workers to trust data for effective data-driven decision making.</p>	<p><b>Higher Productivity</b></p> <p>Auto-detect anomalies in real time to improve uptime, eliminate time spent cleaning data, and move to condition-based maintenance.</p>		
<b>Applications</b>				
Asset Health	Workforce Empowerment	Data Security	Sustainability	Digital Transformation

APERIO DataWise™, the industry's leading data integrity solution

Powered by AI machine learning, APERIO DataWise automatically validate operational data at scale to improve data accuracy, security, and value, allowing for better, smarter decision-making based on real-time, trusted, superior data. APERIO offers unmatched software capabilities:

- ✓ Zero configuration → deploy sitewide in hours
- ✓ Cloud, on prem, or hybrid
- ✓ Data, sensor, and equipment agnostic
- ✓ Scalable to more than 100K real data streams
- ✓ Auto-calculates sensor DQI in real time
- ✓ Auto-detect anomalies, in real time, using unsupervised ML algorithms
- ✓ Accurate & relevant alerts, limiting false positives
- ✓ High level reporting + drill down capabilities
- ✓ APERIO dashboard or seamless 3<sup>rd</sup> party integration



Guaranteed data accuracy that is secure, accessible, and actionable

Customers have successfully employed APERIO DataWise to improve data quality and security, empower operator decision-making, and improve sustainability goals...saving time and money across the enterprise.

<p><b>European Refining Company</b></p> <p>Eliminated all data troubleshooting required for operating their internal energy efficiency tool; freeing 10-20 hours/week spent doing manual tasks.</p>	<p><b>Top 20 Chemicals Company</b></p> <p>Improve OEE saving up to \$60M/year by reducing risk of unplanned outages; leverage validated data in its predictive maintenance &amp; analytics tools.</p>	<p><b>APAC Power Generation Co.</b></p> <p>Eliminated 50% of bad asset modeling data runs and time-consuming data troubleshooting, ensuring the success of value-added digital initiatives.</p>
---	---	---

For more information, [download the eBook](#) and/or visit [aperio.ai](#).

APERIO is the leader in industrial data integrity solutions. We help customers drive profitability and sustainability goals while mitigating risk in their industrial operations. Powered by AI machine learning, APERIO automatically validates operational data at scale to improve data accuracy, security, and value, allowing for better, smarter business decisions based on real-time, trusted, superior data.

**APERIO**  
Superior Data