



APERIO DataWise® for PI

APERIO DataWise® for PI can measure, track, and improve the data quality of your AVEVA PI systems. Based on the quality of your historical data, it uses machine learning to continuously monitor the data quality of all your PI System and PI Interfaces, detecting and alerting you of any anomalies.

It's time to DataWise your PI data

PI administrators wrestle with managing PI process data efficiently. They need APERIO DataWise for PI to:

- 01** **MAXIMIZE QUALITY**
Perform a live data audit with automatic alerts when poor.
- 02** **ENHANCE VISIBILITY**
Assess the reliability and accuracy of PI process data in real time.
- 03** **ENABLE PI END USERS**
Eliminate the need for unnecessary off-work outages.
- 04** **DRIVE GREATER VALUE**
Derive greater value from models, custom tools, AI.

Source of most PI data problems

Bad PI data can put every application where it's used in jeopardy. Aperio measures, monitors, and improves data quality to guarantee its data accuracy, consistency, completeness, validity, integrity, and timeliness.

Connections & Buffering

Data compression algorithm or buffering is poorly tuned.

Missing Data

Incomplete data from sample rate changes or from a constant signal for an abnormal duration.

Data Out of Range

Values outside the typical range relative to its history

Bad Data

Poor data entry, inconsistencies, misconfigured tags, high error rate, etc.

Stale or Dead Tags

Tags that have not been updated for a significant period.

The APERIO Difference

We connect to millions of AVEVA PI data streams for all equipment and sensor types, without needing custom configuration.

We use automated, unsupervised ML engines that assess, and alert on, data health and reliability, without manually defining rules or duplicating tags.

We measure, improve, and track data quality through smart workflows, rigorous root cause analyses, and efficient pattern recognition.

We deliver verified data for confident data-driven decision-making, driving business value from the control room to the boardroom.