DATA SHEET PARCpde

Performance Data Aggregation

Dramatically reduces the time spent retrieving aggregated data from minutes to seconds.

Faster Is Better

PARCpde aggregates your plant data and stores it alongside your real-time archive, giving you incredibly fast access to days, months, or even years of data for swift troubleshooting and analysis of process data. Aggregate archives also contain production-based data (shifts, product runs, batches) optimized for reporting & awareness.

High-Performance Data

For longer time periods, trend-optimized data from the aggregate archive is displayed instead of the raw data. PARCpde plots only the first, last, maximum, and minimum values for each 5-minute block, providing an accurate representation of 300 points of 1-second data with only 4 points.

By pre-calculating and storing these aggregates in a dedicated database, PARCpde can dramatically decrease the time spent retrieving long-term plant data, providing near instantaneous access to grade run reports and process trends.

Universal Compatibility

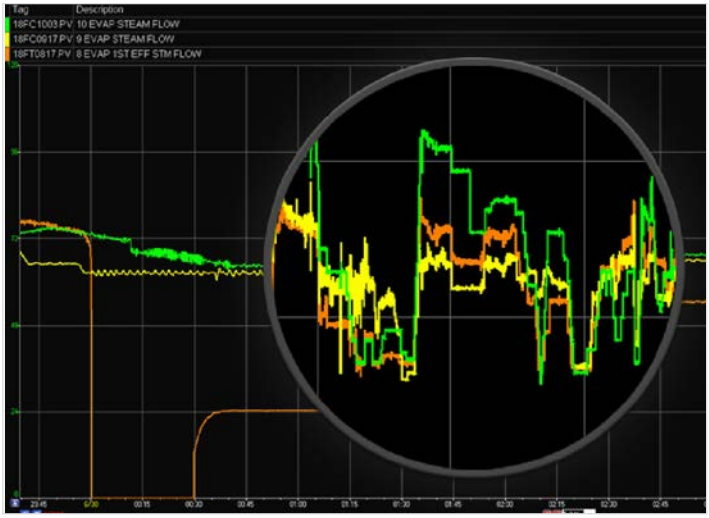
Pair with any historian for an instant boost in plant management capabilities

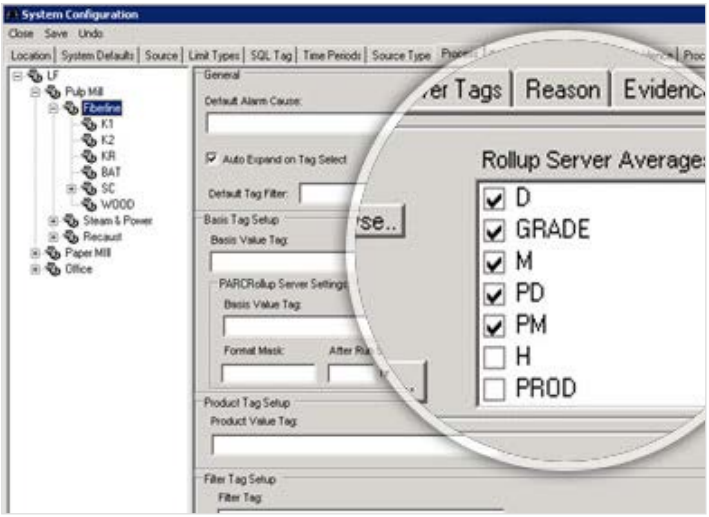
Universal Tag Access

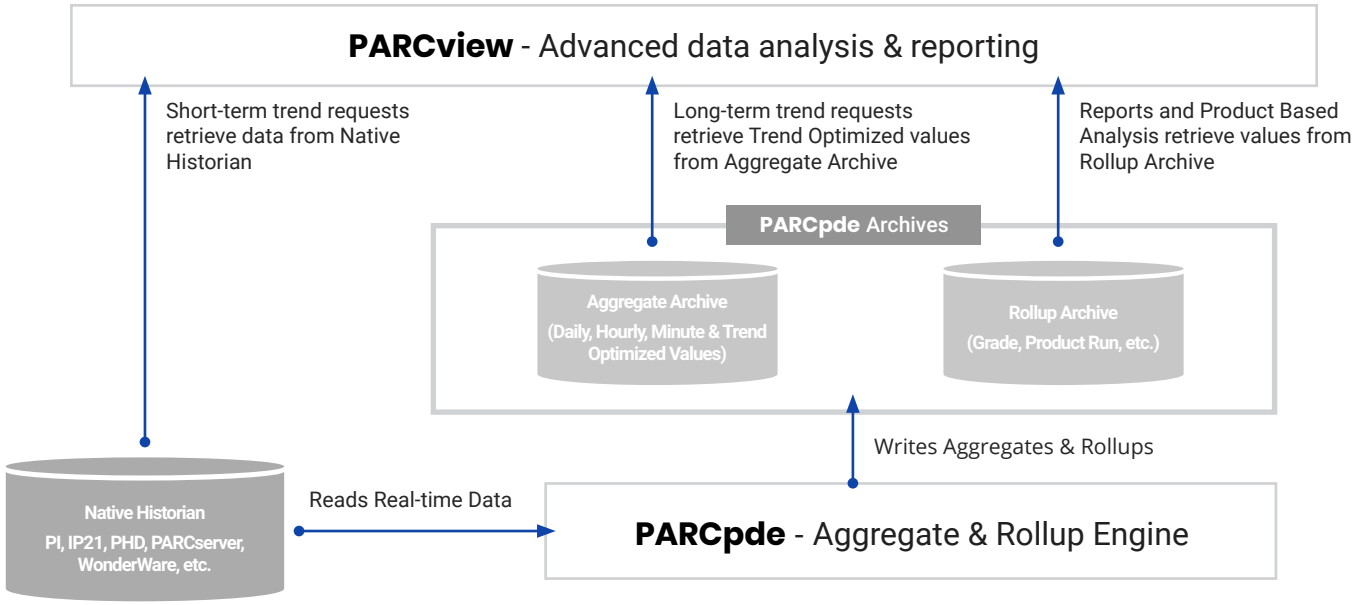
All rollup data is associated with the original tag

Advanced Filtering

Apply filters to process are to ignore downtime, grade, or product transitions







Unrivaled Performance

Benchmark tests show that PARCview data retrieval speeds are about 2x faster than the leading competitors for up to a day of data. Using smaller, pre-calculated datasets spanning longer periods of time dramatically improves data acquisition time. For time periods greater than one day, PARCview data retrieval times are kept to a few seconds instead of minutes.

Reporting & Product-Based Analysis

The PARCpde Rollup Archive automatically rolls up data for grade/product runs, campaigns, batches, lots, discrete products, shifts, and more, creating statistical aggregates (Min, Max, Average & Std Dev.) for user-defined time periods. Quickly generate reports for long-term data sets, and set parameters to filter out downtime or show data from specific tags.

Speed Comparison (dataPARC vs the industry-leading historian)

Time Period	Archive	Capstone Historian Time	Major Vendor Historian Time	Performance Improvement
6 hours	Raw	**3 secs.**	8 secs.	2x
12 hours	Raw	**6 secs.**	15 secs.	2x
1 day	Raw	**15 secs.**	30 secs.	2x
2 days	Trend-Optimized	**2 secs.**	45 secs.	20x
30 days	Trend-Optimized	**3 secs.**	720 secs.	200x
90 days	Trend-Optimized	**5 secs.**	1800 secs.	300x