AVEVA

AVEVA™ Historian Client

AVEVA Historian Client empowers workers with real-time operational data, allowing operators, engineers and operations managers to quickly troubleshoot issues, identify cost-saving opportunities and improve production efficiency. A perfect complement to AVEVA™ Historian, AVEVA Historian Client provides data trending and reporting capabilities, integrated with Microsoft Office, allowing easy sharing of reports on the company intranet site.

Overview

Summary

AVEVA Historian Client data analysis and reporting software places real-time and historical process data into the hands of the people most responsible for plant performance: operators, engineers and operations managers.

Business value

AVEVA Historian Client software delivers near real-time historical process data from the AVEVA Historian to industrial workers at all levels.

- Near real-time process data critical for process troubleshooting activities
- Access to self-service production and performance reports that can be shared via email or the web

Gain better visibility into your processes

AVEVA Historian Client is tightly integrated with AVEVA Historian, enabling you to easily navigate through your operational data. It generates real-time and historical data charts and reports allowing operators, engineers and decision makers to quickly visualize what is happening during a production run, a batch or any industrial process.

AVEVA Historian Client reports and data trends can be viewed, analyzed and consumed through our desktop application or using your preferred web browser with AVEVA Historian Client Web. You can also use external applications such as Microsoft® Office®, AVEVA™ InTouch HMI or even custom software clients.

AVEVA Historian Client also supports AVEVA Insight, our managed cloud solution, Microsoft SQL Server, when integrated with AVEVA Historian, and Open Data Protocol (OData) data access interface, delivering on our commitment of using the latest software technologies.

Rich data analysis and reporting

AVEVA Historian Client's rich data analysis and reporting experience gives you powerful ad hoc query capabilities, as well as preconfigured trending tools needed to drill down into data details to evaluate trends, find root causes, and determine the best solutions to critical process issues.
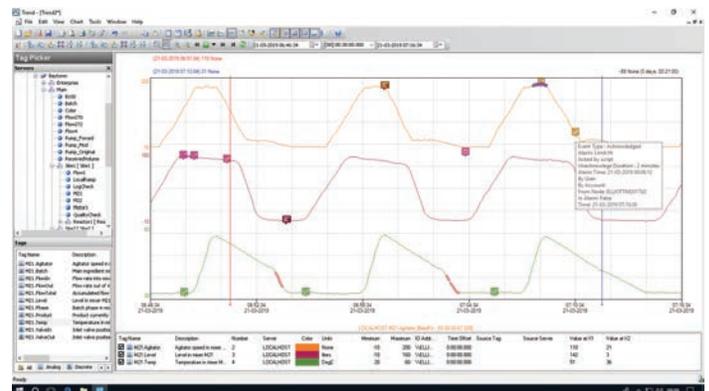
Plant IT personnel tasked with creating and maintaining production reports and regulatory reports can also use AVEVA Historian Client to pull important information out of the huge volume of plant process data stored in AVEVA Historian.

AVEVA Historian Client components

AVEVA Historian Client includes multiple applications designed to maximize the value of data stored in AVEVA Historian. These applications give you access to plant and process data through easy-to-use interfaces. With AVEVA Historian Client plant workers can quickly troubleshoot problems, study potential operational inefficiencies and eliminate the time-consuming process of locating data.

Trend application

The trend application is a powerful desktop data graphing tool. Providing a range of charting and formatting capabilities, it is designed to allow users to create highly informative data analysis charts for real-time and historical data trend analysis, faster troubleshooting and process improvement. Multiple types of analysis displays and reports are available as standard, such as Trend charts, X-Y Scatter plots, and Batch trend charts, including 'Golden Batch' comparison.

Excel add-in

This Microsoft Excel add-in is designed to simplify the creation of rich data reports using AVEVA Historian data.

Query application

Eliminate the need for SQL expertise with this easy-to-use tool for creating database queries. Our query tool can be used in tandem with trend, workbook or report applications. It can also be used as a standalone querying tool for the AVEVA Historian or any SQL-compliant database.

Powerful web-based solution

AVEVA Historian content can be consumed with AVEVA Historian Client Web, or through external applications such as Microsoft Office, AVEVA InTouch HMI or even custom software clients.

Trends, reports and workbooks can be published on the intranet, aggregating plant and business data into a powerful web-based production and performance management solution.

High availability and business continuity

AVEVA Historian Client takes full advantage of the AVEVA Historian redundancy capabilities. If the primary historian server goes off-line AVEVA Historian Client automatically switches to the secondary historian server. Once the primary server is back online, AVEVA Historian Client automatically switches back to the primary with no interruptions to the user.

Choices for data analysis and reporting

With AVEVA Historian, you have plenty of choices on how you want to analyze and report on your data:

- AVEVA Historian Client Web is a browser client for quick data query and trending.
- AVEVA™ Business Intelligence Gateway is a BI application that leverages Tableau® business analytics for powerful self service process analysis capabilities.
- AVEVA Insight makes actionable information accessible and Artificial Intelligence capabilities through the cloud for any modern browser or mobile device, allowing you to monitor your critical information, KPIs, and alerts on-the-go.

- Dream Report is a configuration-based reporting application that anyone can use out the box to create production or regulatory compliance reports

Data accessibility

AVEVA reporting applications can be web-enabled using AVEVA Insight, ensuring the proper information can be made available to the right individuals wherever they are located. Using client components within AVEVA Insight delivers a rich and flexible portal experience.

Sample add-ons that can reside in AVEVA Insight include:

AVEVA MES/ Performance: OEE and equipment downtime reports and KPI dashboards

AVEVA MES/Operations: multiple reporting options including:

- Production events and formula reporting (usage and set points)
- Material consumption including comparisons of "plan vs. actual"
- Consumption and genealogy of materials, equipment, personnel and production events related to a lot, batch or serial number
- Complete traceability and genealogy reporting to help you comply with government regulations

BI Gateway: automate the extraction, transformation and storage of operational KPIs and related contextual information with this enterprise manufacturing intelligence (EMI) solution
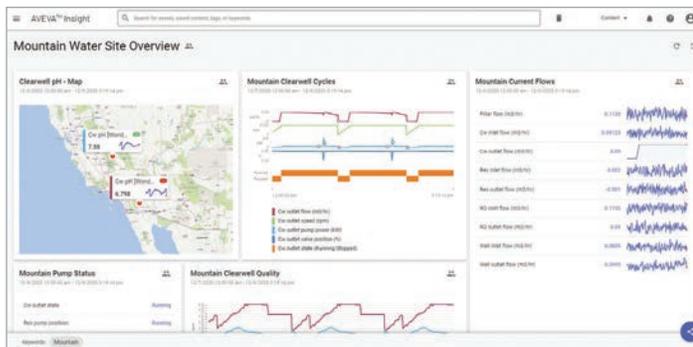
Guided Analytics: create anomaly alerts with higher fidelity with just a few mouse clicks. Making it easy to explicitly identify a group of tags for predictive analytics monitoring.

Advanced Analytics: enable creation of rigorous multi-variable predictive analytics models for the most critical assets with user-friendly cleansing, model training, fault analysis and diagnostics, and prescriptive actions.

Mobility and cloud capabilities

AVEVA Insight is a cloud-based, "managed" solution that makes information accessible through any modern browser or mobile device. Democratize industrial data access, monitor critical information, KPIs, and alerts on-the-go through AVEVA Insight, without the need to install and manage these solutions on-premise.

Customer support and services

The Customer FIRST for AVEVA Services Program makes it easy to receive the help you need when you need it and to receive the latest version of the AVEVA Historian Client and associated AVEVA products.

AVEVA

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