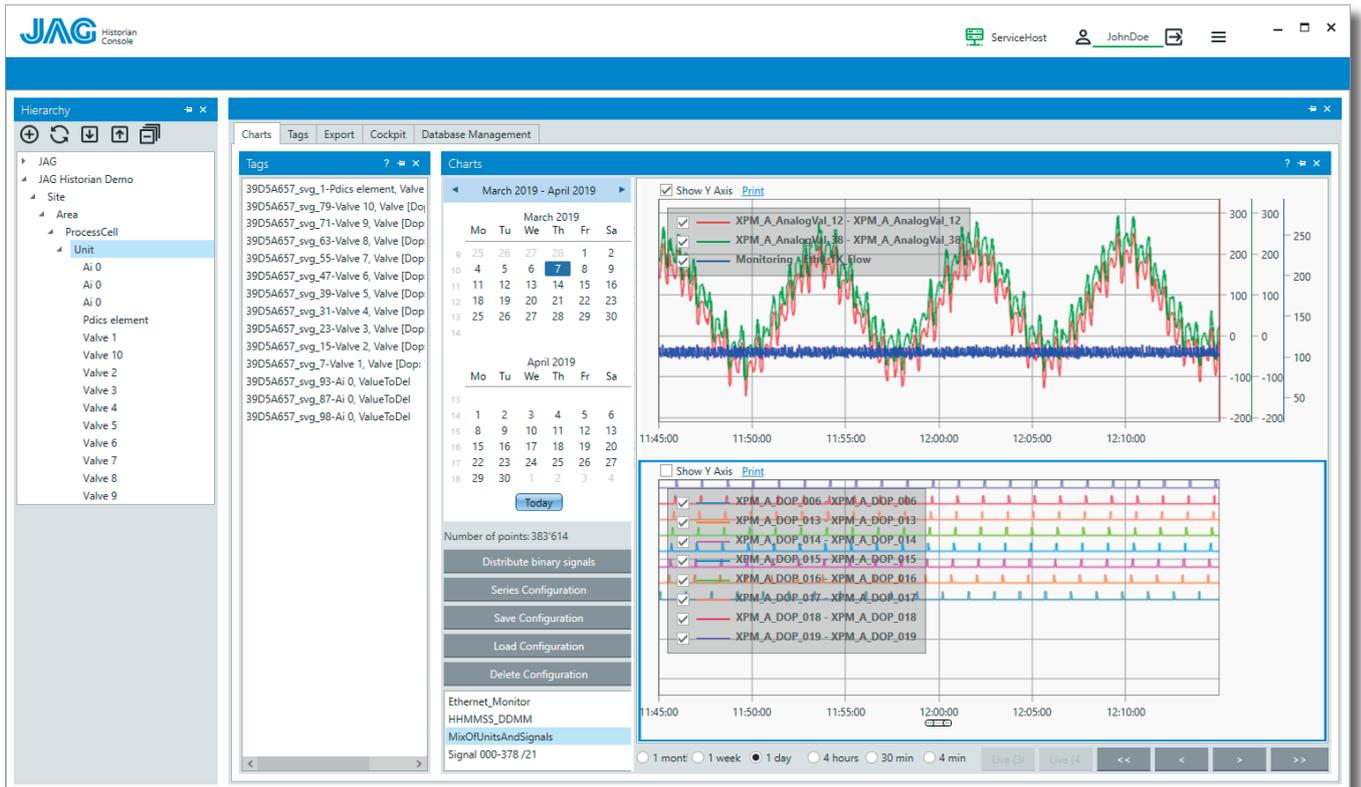


# JAG HIS JAG Historian



## Data is the new oil

Key features of modern production systems such as traceability, process analysis and continuous improvement rely on permanent data collection.

With the JAG Historian we offer a reliable and easy to use solution for the capture, storage and analysis of historical data.

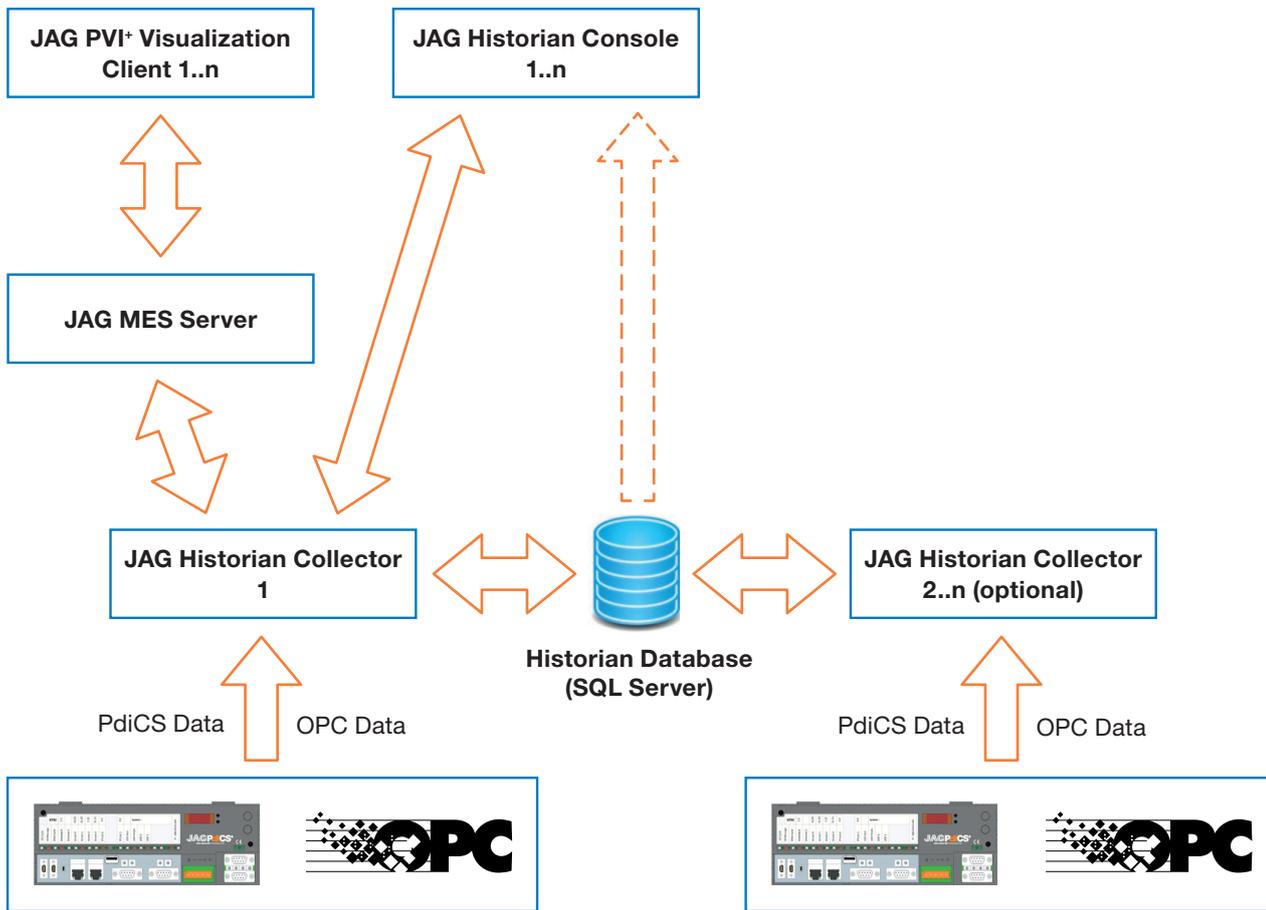
Collecting data is one thing, making sense of it another. Unlike other data historian solutions JAG Historian comes with a user interface which is dedicated to ad-hoc data analysis: the Historian Console.

It allows creating customized views by simple drag and drop. Large numbers of datapoints can be browsed fluidly in a modern and simple to use graphical user interface.

## Features and benefits of the JAG Historian

- Collect data from JAG PdiCS modules
- Collect data from third party systems (via OPC)
- Share the workload among multiple Collectors in large installations
- Safe, SQL-based data storage
- Optional data compression
- Delivery of historical data to the JAG PVI+ visualization
- Ad-hoc data analysis using the Historian Console
- Data export in Excel format
- Openness for manual or automated data export to third party applications

## System overview



## Architecture

Historian Collectors read data from JAG PdiCS modules or – in the case of third party products – from OPC Servers. When a large number of process values shall be recorded, multiple Collectors can be combined to distribute the workload.

The historical data of all Collectors is stored in a common SQL database. The main advantages of the SQL-based approach are scalability and the ease of data management (backup, restore etc.).

The Historian Collectors offer a sophisticated and configurable data compression algorithm. This allows storing a lot of process values and retain them for a long time while creating a reasonable data volume.

The historical data is often viewed by using the JAG PVI+ visualization, which is part of the JAG MES platform. One of the Collectors reads the historical data from the database and forwards it to the JAG MES Server.

Unlike other process historians, JAG Historian comes with a Console designed for ad-hoc data analysis of analog and digital process data. Custom views can be created by simple drag and drop. TAGs are chosen from a tree view structured according to the plant hierarchy (S95/S88 oriented) and are dropped into one or several charts. Thanks to the Historian Console, data analysis during commissioning and operation is made simple.

## Licensing

From a licensing point of view only the Historian Collectors are considered. The number of Clients (JAG PVI+ visualizations and Historian Consoles) is not taken into account.

Each collector is licensed individually and licenses are available in the range from 100 to 2500 TAGs (see table below).

As an example, 1800 TAGs can be covered by one Collector with a 2500 TAG license or by two collectors, each with a 1000 TAG license.

Leaving some margin is recommended, since the number of TAGs usually increases in the commissioning phase of projects.

A TAG usually refers to a 32 Bit Register, which contains for instance an analog value, a number or 20 digital inputs or outputs of a PdiCS module.

License	Order number
JAG HIS Collector (100 TAGs)	M022.240.100.010
JAG HIS Collector (300 TAGs)	M022.240.100.030
JAG HIS Collector (500 TAGs)	M022.240.100.050
JAG HIS Collector (1000 TAGs)	M022.240.100.100
JAG HIS Collector (2500 TAGs)	M022.240.100.250