

Prediktor EDGE Historian

Log everything - no extra cost, no engineering, no information loss. Prediktor EDGE Historian is a proven and historian with superior performance and reliability.



Standard Features

Optimized time-series database engine – a highly optimized time-series storage with efficient compression: a full year of 10,000 signals sampled every second requires only 300 Gb of storage. With the possibility to mix storage scenarios on a single system, each with different sliding horizons and sample intervals down to 10ms, or using the event-based mode to store even more. Also, tuned to run efficiently on small systems and co-existing with other real-time applications. Prediktor Historian is a highly reliable historian engine with a proven record in the most mission-critical environments such as maritime, offshore, oil & gas drilling and production, paper mills, and a wide variety of

process plants from different manufacturing industries. High usability and rich programming interfaces – rich data access and programming capabilities, including NET Api's, OLEDB/ADO, ODBC, OPC UA, and OPC HDA. Access and trend data directly using Prediktor EDGE Process Explorer, optional Excel plugin, or various export/import plugins. Available with a rich set of modules and products for additional capabilities and integration, for example, for Alarm & Events handling and multivariate data analysis. Use your favorite BI tool to report on your time-series data, or optionally the complete Microsoft SQL Server BI toolset to get rich analysis and visualization capabilities

Additional Features

Semantics & Contextualization with Prediktor MAP – enrich your time-series data with metadata and asset relations and expose contextualized data according to standard OPC UA information models.

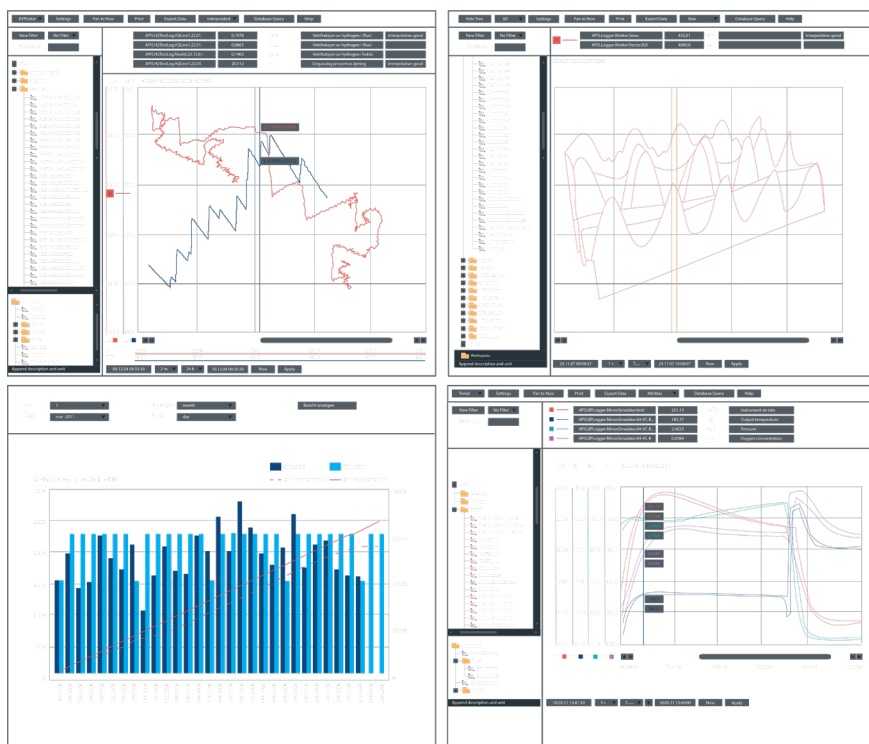
Prediktor Visualize Insights Dashboards – create stunning dashboards to provide real-time insights available at your fingertips – on desktop and mobile.

Scalability – partition large systems and distribute load using proxy databases. Prediktor EDGE Historian systems can forward history requests to peer databases in clustered or aggregated scenarios.

Reliability through failover – high availability with redundancy between nodes in a Prediktor EDGE Historian server farm – protect against unplanned or planned downtime. To protect against hardware failures on shared storage, add SAN replication or use Prediktor EDGE Replication Services to mirror data between sites for near hundred percent uptime and minimal data loss.

Prediktor EDGE Replication Services – distributes all or parts of Prediktor EDGE Historian databases between servers. Used for the following scenarios: Store and forward – replicate data between Prediktor EDGE Historians designated for data collection and central Historians designated to handle large scale data access and reporting. Export data from third-party OPC HDA server into Prediktor EDGE Historian. Prediktor EDGE Replication Services uses trouble-free communication through firewalls and over unreliable internet connections. Data is highly compressed to keep the necessary bandwidth to a minimum.

Prediktor EDGE Historian Data Center Edition Scalability and performance with OPC: Historian server farms – loadbalancing across multiple, parallel Historian and OPCHDA services – add more servers to increase performance almost linearly. Shared database storage (i.e., NAS/SAN) can be read and written to all servers participating in the server farm. Can handle more than 1 million databases and 100s of millions of items.



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