

Apis Software



Apis Platform

Connect



APIS has extensive support for industrial communication standard such as classic OPC, OPC UA, Modbus and WITS ML and many more. We can provide custom modules or a toolkit for you to develop your own proprietary protocols.

When connected, APIS will expose any value simultaneously using multiple server protocols:

- OPC DA/AE/HDA
- OPC UA DA/AC and HA
- SECS GEM / PV2

With APIS you can easily handle hundred thousands of signals per second without significant CPU load.

Store



The APIS real-time historian provides market-leading performance for storing real-time data. We can document sustained storage performance of more than 5.000.000 value/quality/time records (VQT) per second even on low-cost HW servers.

A lossless compression algorithm assures excellent storage space utilization, typically one byte per VQT sample. For instance, 10.000 signals recorded every second can be stored for more than 6 years on a 1 TB disk.

Data retrieval is also highly efficient. On a low-cost HW server you can read out 20 signals and 10.000 samples of each in less than 0,4 seconds on a cold cache read.

Data can be transported using our replication services to distributed or aggregated storages.

Process



APIS contains advanced tools for building real-time applications that generate alarms, aggregate, calculate or predict actionable information based on the basic real-time data.

Use APIS ModFrame to create algorithms that enables users to create Advanced Process Control (APC) models that can be used to predict and simulate process behavior or create control systems.

APIS Analytics analyze data using advanced techniques such as regression analysis and create models that predict information in real-time that would otherwise be impossible to measure directly.

Use APIS SoftPLC software to process any data numerically or logically. This tool is based on PLC Open (IEC 611313), and is fully integrated with the APIS connection tools. A generic calculation module for simple numerical processing is also available.

Visualize



Using our purely web-based tools it is possible to create live mimic pages, trend visualizations, dashboards and much more. We also provide mapping to standard Business Intelligent tools.

In order to properly respond to and act on information, in addition to simply view information, we also need to properly understand information. With so much information being available, the context in which the information is presented is crucial to understanding. Often, there will be different users with different contexts or views for the same information. We therefore provide tools that can map the same information to different user views through semantic models.





The APIS Industrial IT platform

Partners

Prediktor has worked with Original Equipment Manufacturer (OEM) and Value Added Reseller (VAR) partners since 1997, and continue our dedicated support to these partners with flexible programs that are specifically tailored to address our partners' varying needs. As a Prediktor partner, you will get the following benefits:

- Access to world-leading real-time software that adds great value to your existing products or enables your company to create completely new applications allowing you to reach entirely new markets.
- A partnership with a company with strong expertise within real-time solutions, time-series databases, multivariate data analysis and real-time mathematical prediction models.
- Cooperation with personnel with strong technical experience within Oil & Gas, Maritime and Manufacturing.
- Strategic business benefits such as co-marketing, pre-sales and after-sales support. We can offer our partners direct access to software developers.
- Flexible licensing models that can be adapted to fit your business models.

Prediktor offers a complete real-time Industrial IT platform, APIS, which enables partners and customers to:

- Connect
- Store
- Process
- Understand

data and information in real-time.

Examples of areas where our software can be an ideal choice and we have proven references are:

- Real-time applications using mathematical models
- Large scale connectivity and logging applications
- Data connection through OPC UA enabling of existing technology

We also offer business models where we can develop new components or add functionality as to our existing software platform. We can customize any component at our partners' request, thereby guaranteeing that our products are a 100 % match to our partners' needs.

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Specifications are subject to change without notice.

