

# Advanced Real-Time Data Processing Platform for OT & Edge



## PROFWARE SYSTEMS

Powerful software and tailored solutions for industrial and business use cases in the areas of Edge data processing, process control and IIoT.

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Column name	Data Type	Length/Precision	Not NULL?	Array?	Default Value
timestamp	TIMESTAMPZ		True	False	
metric_value	DOUBLE PRECISION		False	False	
metric_status	TEXT		False	False	

## OT & Edge Computation Platform

- Bringing modern software to OT:  
web-based user-friendly interface, integrated SQL and Python, custom plugins, version control.
- Speaks native with SCADA & DCS practitioners:  
scan-time based computation, runtime redundancy, tag-based address space, industrial protocols.
- Empowered process control:  
regulatory and sequence control, advanced analytics and ML, embedded time-series data.
- Integrated HMI:  
dashboard-style interactive visualization and control.



# Advanced Real-Time Data Processing Platform for OT & Edge

## Providing Solutions for a Variety of Challenges

The platform offers an advanced processing layer on top of SCADA/DCS, and also capable to operate as a standalone control center. It extends traditional supervisory control with customized business logic capabilities and powerful data analytics all integrated into OT environment. It can be applied to a number of use cases including model based prediction and alerts, real-time system identification, parameters scheduling for batch processes, procedural automation, IIoT sensors data processing, etc.

ARTDATA



### DATABASE CONTROLS

#### Real-time and Time-series

ARTData creates a fusion between current-time and historical data, making both available for control, analytics and visualization. Configurable database allows to setup project specific headers and data types. While multi-table setup allows to distribute data and processing load.

#### Python & SQL

The two by far most popular programming languages complement each other, allowing fast retrieval and flexible processing when working with data. With tag based address space, references tree visualization, version control and pre-download calculations check-up, the platform creates seamless process control configuration experience.

ARTDATA



### DATA PROCESSING

ARTDATA



### OPC UA INTERFACE

#### Industrial communication protocol

Acting as OPC UA client, ARTData can retrieve and send data with a number of systems and devices respecting specified data types and update frequency.

