



# NAPCON INFORMER

As the cornerstone of the NAPCON  
Understand solutions NAPCON Informer  
enables you to dig deeper into the vast  
ocean of data generated by your plant.





# NAPCON INFORMER

## KNOWS IT ALL.

NAPCON Informer makes it easy to collect all process data from your IIoT devices and plants by Industry 4.0 way. Integrate OT and IT to enable digital transformation with OPC UA certified future-proof solutions.

## NAPCON INFORMER BENEFITS

### EXPERTISE

Your business is in good hands: through our 30 years of experience we truly understand the process industry.

### PERFORMANCE

Our major design principle for this modern and fast platform is the capability to handle large scale data.

### SAFETY

The utilization of the latest technologies and architectures guarantees built-in cyber security.

### STANDARDIZED

A vendor independent interface allows communication to any available system.

### VERIFIED

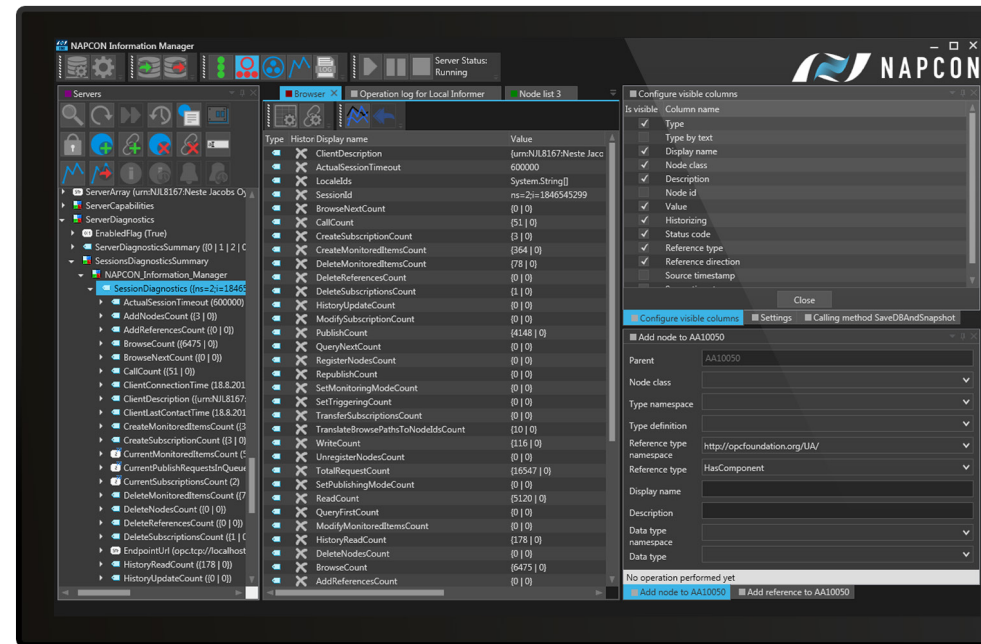
NAPCON Informer is certified by an OPC Foundation accredited Certification Lab and is ready to guide your plant towards the Industry 4.0 era.

### SCALABLE

NAPCON Informer allows collection of data from any single automation system, all the way to global, multiple plant-wide systems.

### TRANSPARENCY OF INFORMATION

NAPCON Informer provides extensive representation and analysis of your process information.



### EASILY IMPLEMENTABLE INTERFACE

NAPCON Informer functions on a standardized, modern and secure OPC UA interface, making it implementable on any platform.



## NAPCON INFORMER KEY FEATURES

### AUTOMATION

Built-in information models that allow true system-to-system communication improving performance and scalability without requiring any human interface.

### ADAPTABILITY

NAPCON Informer can automatically detect changes on instrumentation, take benefit of that with e.g. ridiculously easy reports and visualizations with NAPCON Analytics.

### SAFETY

OPC UA technology that provides user authentication by certificates and enables cyber secure communication between server and client.

### EFFICIENCY

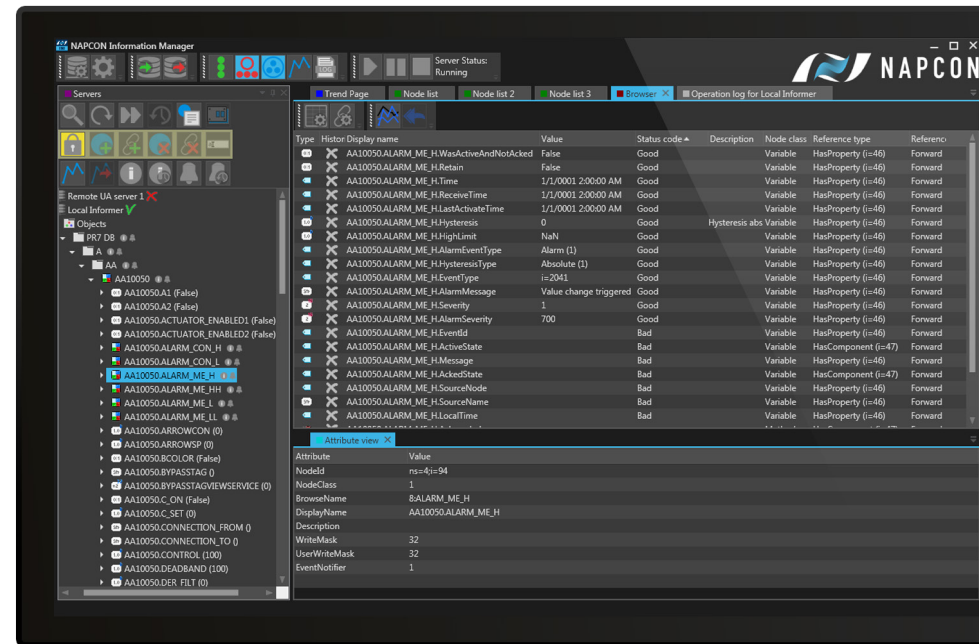
Time series database (TSDB) enabling efficient data handling that truly matches the needs.

### STANDARDIZED

Standardized interface through OPC UA real-time database build on top of time series database with premium performance.

### EXTENDABLE

Easily extendable to different on-premises, cloud or hybrid cloud environment data management purposes with different configurations



## MAIN PROPERTIES

- OPC UA Certified, certified profiles: Standard Server / Data Access Server / Method Server
  - OPC UA Gateway functionality (e.g. connectivity to DCS systems)
  - OPC UA standard compatible data aggregation for Improved history services
  - OPC UA standard diagnostics
- Intuitive and flexible reporting with trending tools and color themes.
- Integration of accurate and up-to-date data for users from different time intervals and sources from different levels of production like ERP, DCS and instrumentation
- Advanced data manipulation and export in multiple formats e.g. csv, xls, xlsx.
- Common interface for accessing data stored in separate existing databases.
- User management and authentication for OPC UA Server

## REALTIME DATABASE

- Full support for OPC UA information modelling e.g. for controllers, alarms, and events, including OPC UA standard information models
- Dynamic address space enables addition of new nodes on run time
- Industry 4.0 ready connectivity to systems from shop floor to office level using OPC UA and OPC DA.

## TECHNOLOGY

- Excellent scalability with high data throughput.
- Wide support for security features: Encrypted OPC UA communication, Antivirus softwares, Whitelisting, User identification, Encrypted data transport, Certificates.
- Application monitoring & logging for efficient maintenance.
- Easy configuration and set up with installer utilizing configuration templates and generation of certificates.
- Automated scheduled backup on remote PCs.
- Independent user operations via Windows Services based components.
- Built on Microsoft .NET
- Windows 64 bit platforms.



## USER INTERFACE

- Renewed, intuitive UI utilizing HTML5 and switchable themes.
- Save session and seamlessly continue later with same node lists and trend views with automatic trend scaling
- Reporting engine with ODBC, SQL, and OPC UA connectivity.
- Data transfer utilizing AJAX technologies.
- MongoDB database technology.

## DATA ACCESS AND CONFIGURATION TOOL

- Easy-to-use tools for accessing data in realtime databases and in the process historian.
- Customizable history queries
- Graphical user interface for configuration of the databases.
- Browse the whole OPC UA address space from the graphical user interface

## PROCESS HISTORIAN

- PostgreSQL database technology, object-relational database.
- Storage for process data, alarms and events.
- Partitioning of history to optimize data access speed and storage capacity.
- Several schemes for data compression.
- Buffered input to even out momentary high loads of data transmissions.



## NAPCON PRODUCTS



### UNDERSTAND

NAPCON Understand solutions will turn the data provided by your plant into relevant information that help optimize your company's production.

NAPCON Informer  
NAPCON Analytics



### IMPROVE

NAPCON Improve solutions will bring out the maximum potential of your operations and help you ensure that your investments meet your strategic goals.

NAPCON Controller  
NAPCON Optimizer



### TRAIN

NAPCON Train solutions will bring the real life plant into the virtual world, making training operators and testing the limits of your plant safe and exciting.

NAPCON Simulator  
NAPCON Games



### DECIDE

NAPCON Decision support enables you to make the right decisions, even in complex conditions.

NAPCON Energy Performance  
NAPCON Performance Analysis  
NAPCON Flow Dynamics  
NAPCON Business Optimizer

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