



## NACOS PLATINUM

### OPC UA, HDA

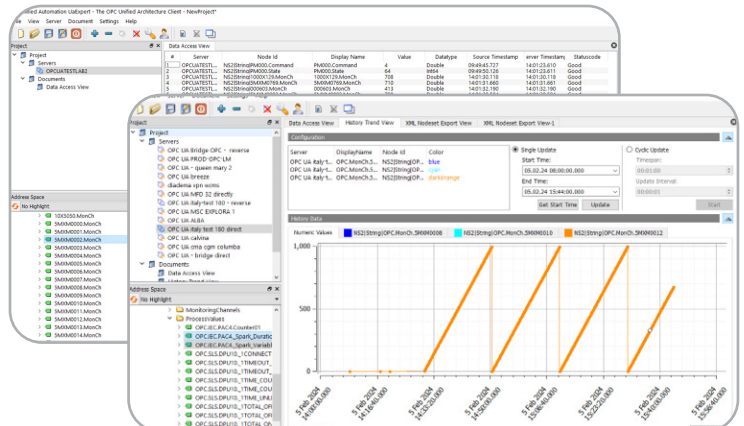
The ability to collect data from your fleet's automation systems without interruption, at a high resolution level, is the key to ensuring safe, reliable and efficient operations achieving millions of dollars in savings every year.

We use OPC UA to securely stream scalable amounts of machinery data from your onboard automation system to any platform used today for analytics on your own premises.

Unlike Modbus or similar legacy protocols, OPC UA gives customers the ability to more securely access the entire automation system dataset without needing a service engineer to come on board to add signals during a vessel's lifetime.

#### Key benefits

- Data integrity and quality
- Clear and live system status awareness
- Post event analyses
- Easy to scale up
- Reduced cost of ownership
- Minimise risks of downtime
- High level of cyber security posture



# Scalable and secure interface to access on-board machinery data



## Features

### Data Availability:

- Live data stream of machinery datas
- Historical data stream of machinery datas
- Full list of available channel
- Engineering unit of the node
- Status of the node
- Range of the node
- Direct and or Reverse connect to External client

### Lifecycle:

- Remotely maintainable

### Cyber Security:

- OPC UA run on separate network zone (DMZ)
- Antivirus on the host Application Server.
- Designed following IEC 62443-3-3\* Standards
- Sign & Encrypt with X509 certs for each OPC client
- Unique credential for each OPC UA Client
- Custom URLs and ports settings

*\* some of the listed items will be available during 2024 as a software update or as an additional option.*

### Inside the box

IoT Gateway including:

- Router Firewall
- Set of accessory

### Optional:

- Application Server

### Direct Access:

- AirGapper
- Key Switch



Automation, Navigation & Control Systems (ANCS), a Wärtsilä business, transform how vessels perform their journeys in a safer, more efficient and compliant way by leveraging the latest hardware and software technologies.

**ANCS**  
A WÄRTSILÄ BUSINESS

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