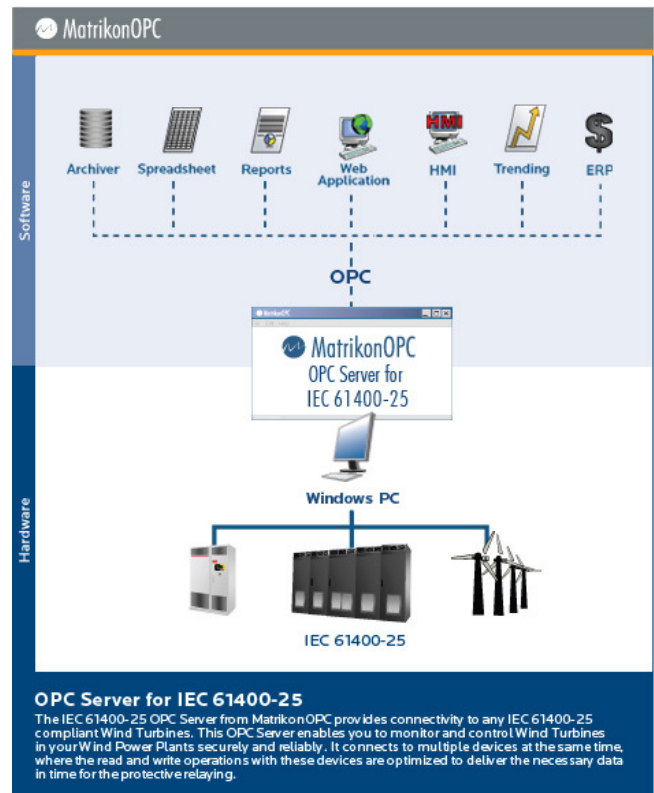


OPC Server for IEC 61400-25

The IEC 61400-25 OPC Server from MatrikonOPC provides connectivity to any IEC 61400-25 compliant Wind Turbines. This OPC Server enables you to monitor and control Wind Turbines in your Wind Power Plants as well as share this data with any OPC-enabled applications such as Historians, HMIs, and SCADA ...etc securely and reliably. It connects to multiple devices at the same time, where the read and write operations with these devices are optimized to deliver the necessary data in real-time fashion.

The MatrikonOPC Server for IEC 61400-25 supports:

- All IEC 61400 logical device, logical nodes, and Data attributes.
- Authorizing access to password enabled devices.
- XML technology for saving configuration files.
- Monitoring the bytes received and transmitted between devices and the OPC server as OPC A&E simple events data
- Device Report Control Block (RCB) Timestamp
- Control Operations is now supported.
- Structured Writes to Control Blocks is supported.
- Enables OPC Clients that don't support structured writes to perform structured write operations by automatically building the Custom Structure.
- Client-Server Architecture using MMS over TCP/IP
- IEC 61400-25-1 Communication protocol for Wind Power Plants monitoring and controlling.
- IEC 61400-25-4 Annex C: IEC 61400 over MMS according to IEC 61850-8-1
- Interoperable with HMI and Historians systems such as Citect, OSIsoft PI and any OPC client application.
- Multiple communication channels at the same time for IEC 61400 Ethernet access (TCP/IP).
- Channel redundancy with multiple devices.



OPC Specifications

OPC DA (OPC Data Access) 1.0a
OPC DA (OPC Data Access) 2.0
OPC DA (OPC Data Access) 2.05a
OPC DA (OPC Data Access) 3.0

Details:

Device communication requires at least the following:

- IP compatible network both TCP/IP and UDP/IP

System Requirements:

PC Hardware

The following PC Hardware is required:

- Intel® Pentium® 4 Processor
- 512 MB RAM
- Minimum 32 MB of available hard disk space
- CD-ROM driver
- Super VGA (800 × 600) or higher-resolution monitor with 256 colors
- Mouse pointing device

Features Include:

- Support for DDE
- Aliases for tag names
- Calculation engine



The OPC Server for IEC 61400-25 is OPC Certified!

OPC Certification is the process of ensuring that applications meet the standards specified by the OPC Foundation. OPC Certification requires extensive testing to ensure true interoperability. OPC Certification means multi-vendor system interoperability is guaranteed. If your OPC products are not certified, you need to ask your vendor what sort of guarantees they offer.