



Novotek AB

Novotek Masterbus 300 OPC Server



Distributor
Intelligent Platforms

For more information visit us at www.novotek.com



Background

- Novotek developed an ABB EXCOM FIX driver
- Novotek participated in the development of ABB Advasoft
- Novotek delivered an application to replace ABB OS using 3rd party GCOM (1998)
- Novotek developed a GCOM OPC Server (2000)
- Novotek developed the MB300 OPC Server (2005)
- Novotek adds new functions to the MB300 OPC (New blocks, TTD, OPC AE) (2007)
- Novotek adds MultiDAT object for profile data to the MB300 OPC (2010)
- Novotek adds full redundant MB300 network support to the MB300 OPC (2013)
- To date ~80 MB300 OPC licenses delivered

Why the MB300 OPC Server

- MV850 not supported anymore
- UNIX-based OS500 not sold anymore. Close to End of life.
- Modernize User Interface
- Provide an open interface
- Collect Historical data
- Integrate with other plant areas

Masterbus 300 OPC Server

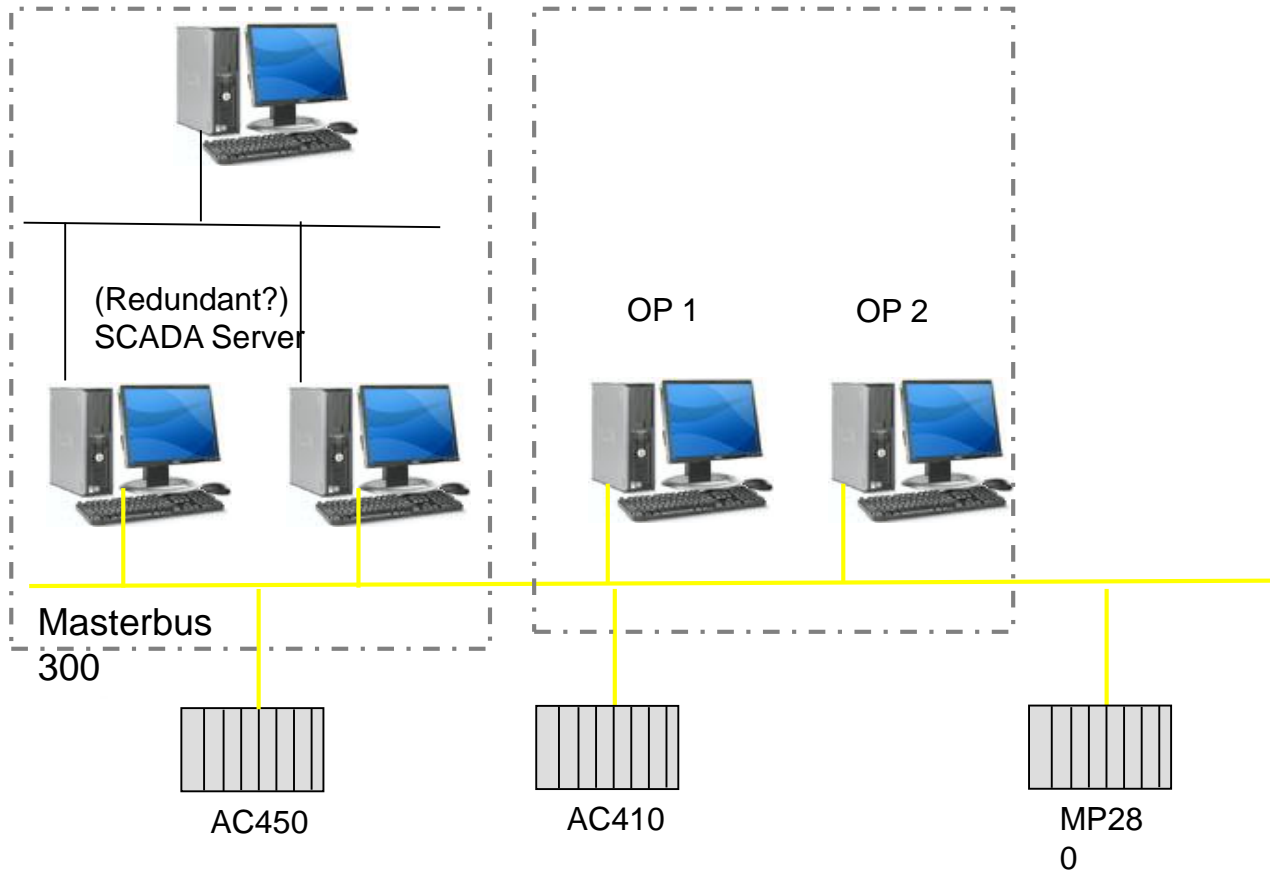
- Standard OPC server for Masterbus 300
- Uses standard Ethernet NIC
- Fast communication
- Advanced tools for troubleshooting and optimization
- Supports MP280, AC410 and AC450
- Supports redundant MB300 networks
- Support for all major object types used in ABB controllers
- Supports presentation of Process Events, System Events and System Texts via OPC DA (as text strings) with controller time stamp
- Supports presentation and acknowledgement of Process Events, System Events and System Texts via OPC AE with controller time stamp
- Can be time sync master on the MB300

Object types supported

- Simple standard objects
 - Ex AI, AO, DI, DO, DAT och TEXT etc
- Advanced standard objects
 - Ex MOTCON, VALVECON, PIDCON, SEQ etc
- Special objects
 - EX TTD, MultiDAT



System layout



References

- **Reference 1**
 - More than 10 000 ABB Objects / 11 Controllers
 - SCADA-solution
 - Historian communication
 - Batch communication
 - Inter-Controller communication (OPC Bridge)
- **Reference 2**
 - More than 20 000 ABB-objects / 8 controllers
 - Archiving of data incl TTD-logs to Proficy Historian
 - Web based portal presentation (trends and graphics) via Proficy Real Time Information Portal

What to buy

- License exists in sizes of 1000 or unlimited number of ABB objects
- Support & Maintenance required for first year
- Novotek offers consulting in how to design system for optimal performance and minimum bus load

Support & Service

- **Annual Subscription Maintenance & Support**
 - Technical support via phone, fax and email
 - Software updates (both major and minor releases)
 - Availability of onsite support based on time and expenses

- **Services**
 - Conversion service from *.bax files to OPC Server configuration
 - Product Training
 - Engineering Services