Automation Products
AC500
Product News WATER Library Package

AC500 Library which provides, advanced pumping functions, data logging, remote access, pump control and reliable data communication

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Library content and Features

Data Logging

- Blocks for flexible data logging
    - Telecommunication failure management
    - Sporadic telecommunication management
    - Allows gap-less remote monitoring
- Various modes for different needs
    - Buffer and disposal in chronologic order
    - Buffer and disposal via FTP
    - Event recorder

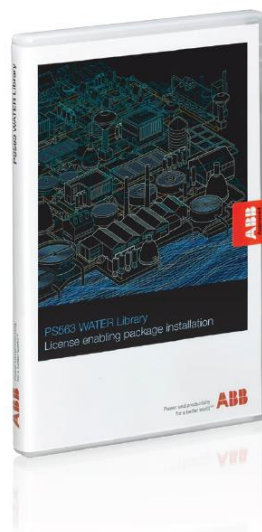Pumping Functions in AC500

- Central PLC control concept
    - Blocks for pumping functions
    - Level control or boost control applications
    - Multi-pump control modes, up to 3 pumps
    - Auto-change modes
    - Totalizers (h, m3/h, kWh)
    - Cleaning, sleep, and protection features

HMI project for pumping functions in ACQ810

- Decentralized control concept : Intelligent Pump Control functions in ABB ACQ Drives
    - ABB HMI Project included in the package
    - ACQ is configured, monitored via directly connected CP635 HMI without programming

Ideal for Water applications:

- Pumping stations
    - Water lift stations : level control

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    - Water booster stations : pressure or flow control
    - Pumps with variable speed and/or direct on-line
- Remote monitoring
    - Rain overflow basins
    - Tank level control
    - Measurement stations…

Advantages and Benefits

PS563 reduces costs

- Save time and engineering costs (ready to use functions)
- More time to invest into the process and not into programming
- Save operating costs (intelligent pump control and remote monitoring)
- Save installation costs, avoiding the need of dedicated data loggers

PS563 is easy to use

- Fast and easy programming limited to configuration of blocks
- Plug-and-play
- Easy control of ABB drives via PS553-DRIVES library (part of Automation Builder engineering suite)

PS563 has a large application scope in water applications

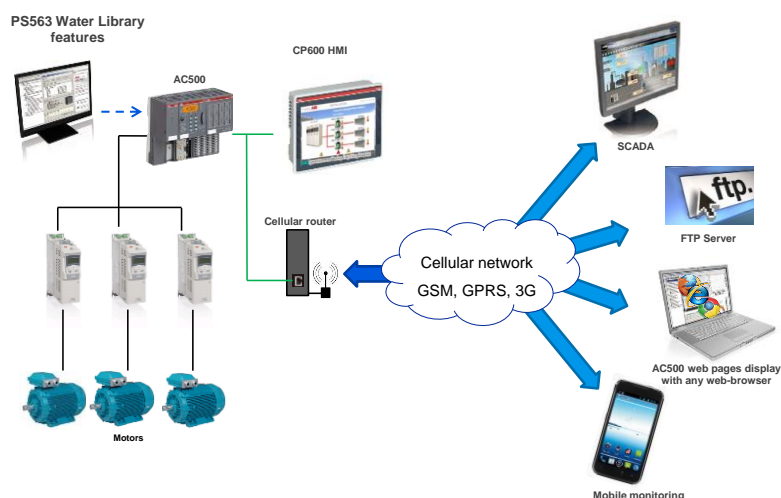Power and productivity
for a better world™

ABB

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- Modular and adaptable
- For different pumping concepts (central or decentralized)

- Data logging supports any SCADA or DCS with IEC capability and historic archive

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Application example - remote pumping station:

Product Designation/Product Type	Order Code	Description
PS563-WATER	1SAP195200R0001	AC500 library for remote stations single license, log and pump functions, SW library, USB Stick with documentation.

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