Communication and Control Center Networking

Communicating with any energy source in any language.
OPEN FOR EVERYTHING – EVERYTHING ON BOARD

Efficient energy park networking

Increasing requirements
The constantly growing use of renewable energy sources in the grid is also increasing requirements with regard to communication: A continuous data exchange must be reliably guaranteed at all times – always in compliance with the relevant regulations and standards.

Perfectly served with Bachmann
Bachmann’s M1 controller system provides all the international telecontrol protocols required for energy technology as a software solution for straightforward and effortless installation. Additional hardware or modifications to the operational control program are unnecessary. This enables the requirements of the customer to be implemented quickly and inexpensively. The M1 is a genuine multitalent here: It can control external devices as a master and at the same time be incorporated in a higher-level control system. Different protocols can also be operated on the same controller.

YOUR BENEFITS
- Free choice of protocol without changing the automation
- Only one contact for automation and communication
- Always the required protocol available
- Ability to react flexibly and separate tasks
- Concentrating on the essentials: the core expertise
- No stock-keeping of additional devices
- Greater availability thanks to fewer devices used
Goose (Publisher + Subscriber)
bluecom
MODBUS TCP/UDP/RTU/ASCII
IEC 61400-25 (Client + Server)
IEC 61850 (Client + Server)
OPC UA (Server)

Transformer station
Solar farm
Wind farm
Hydroelectric power plant

FELDBUSKOMMUNIKATION

PROFINET
PROFIBUS
sercos
DeviceNet
Modbus
FASYPBUS
CANopen
EtherCAT