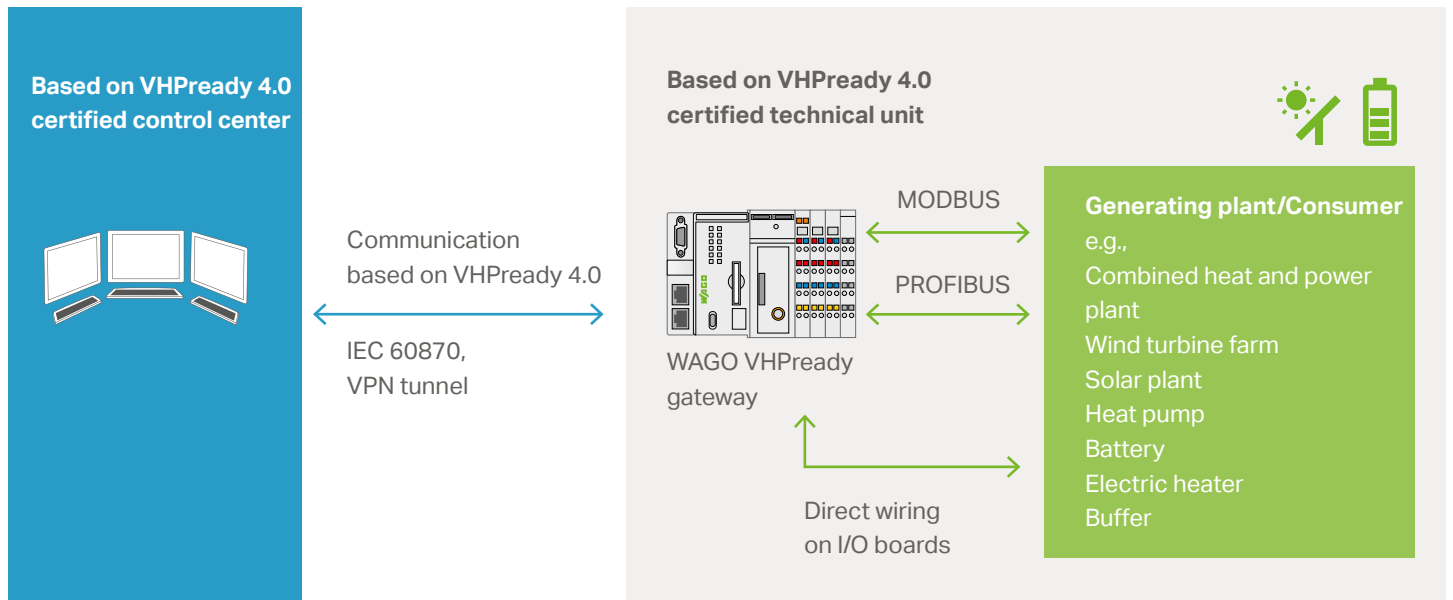


VHPready Gateway

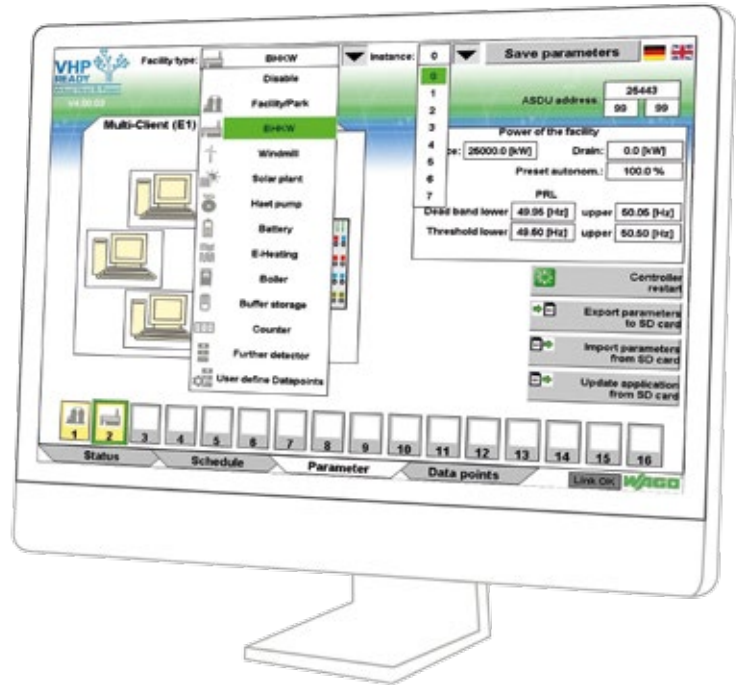


- Gateway between the generation plant or the consumer and the VHPready control center
- Communication with the control center based on VHPready 4.0 and with VPN encryption
- Link to up to 8 generating plants or consumers via Modbus TCP or PROFIBUS
- I/O modules can be added for direct linking of generating plants and consumers
- Parameterization using graphical user interface
- Integrated solution: VHPready application and plant control system also on one controller
- Gateway available with integrated modem



PFC200 Controller,
750-8207

Operation/Parameterization Using Graphical User Interface or Web Server



Background

VHPready is a cross-manufacturer standard for controlling and linking different power generating plants to form virtual power plants using the telecontrol protocol standards IEC 60870-5-104 and IEC 61850. The standard applies to the communication link between a control center (CC) and a technical unit (TU). The technical unit consists of a generating plant and a controller with an integrated VHPready application. VHPready standards are applied to guarantee interoperability and security when linking technical units to control centers. Effort and expense are minimized for the integration of new technical units.

Change-out of a technical unit from one control center to another one is simplified. The VHPready application enables easy integration of combined heat and power plants (CHP), wind turbine farms and solar plants, heat pumps, batteries, electric heaters, boilers and buffers. Standardized data points for meters and external signaling contacts also exist. WAGO offers the corresponding hardware and software solution for a gateway between generating plants and consumers and a VHPready control center.

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