



AUTOMATIONWORX

Seamless system technology
from the remote control
station to the control center

OHP
AUTOMATISIERUNGSSYSTEME


**PHOENIX
CONTACT**
INSPIRING INNOVATIONS

Remote control and control engineering from a single source OHP and PHOENIX CONTACT

You are in search of powerful and made to match system technology – ideally from one source? Then why not benefit from our control and remote control products and solutions, seamless from the remote control substation through modem modules to the control center. We implement a range of communication structures with standard automation components allowing not only high continuity in hardware and software, but also the adaptation of our open and modular systems and solutions to the ever changing requirements of your application.



ProWin® – the software standard for centralized control technology

ProWin® is a comprehensive software package based on client-server technology with complete online project planning functionality for the Windows 2000/XP operating system. ProWin® is finely scalable from the smallest visualization single place system with integrated workstation, to the complex redundant cross bracing network control system with 100,000 process variables and up to 60 workstations.

Features:

- Client-server technology
- Full online project planning capability
- Compatible with the most common industrial standards
- For all industries
- Individual project planning
- Can be ideally integrated in existing IT infrastructure and automation environments
- Can be directly connected to remote control stations

Applications:

- Automotive industry, production
- Railway technology
- Power generation and distribution
- District heating supply
- Conveying systems, goods transport systems
- Building automation
- Infrastructure systems
- Power plant engineering
- Cross bracing network control technology
- Process engineering
- Traffic guidance technology
- Water and waste water technology



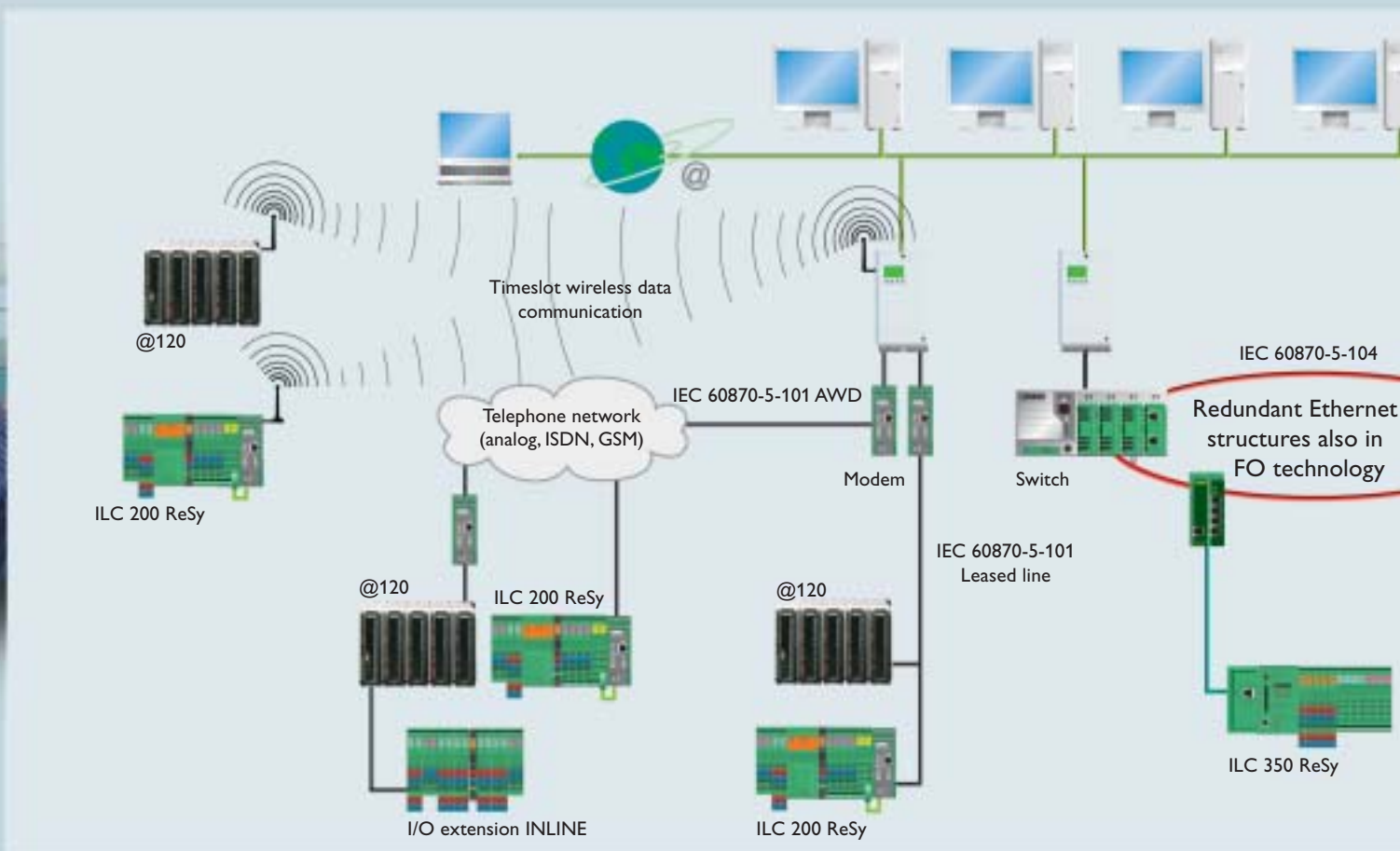
As global market leader for interface and industrial automation technology, Phoenix Contact is represented on all continents with over 60 subsidiaries and representations. More than 6,000 employees develop, manufacture, market and sell a comprehensive spectrum of products ranging from modular terminal blocks and PCB terminal blocks to plug connectors and interface modules.

In the field of automation technology, the AUTOMATIONWORX communication platform by Phoenix Contact offers a complete portfolio of hardware and software components which are perfectly designed to work together. All components are characterized by easy handling as well as standard interfaces for INTERBUS and Ethernet with PROFINET protocol, and they meet all international standards. They thus lay the foundation for seamless horizontal and vertical integration – from field installation through control and visualization right into the IT world.



OHP was founded in 1989 from a development department of the former AEG as an independent company for remote control and control products. Years of experience in the area of remote control and control engineering have resulted in the network control system ProWin®, a high-performance standard software package for the visualization of system states. In August 2003, OHP took over responsibility for the remote control products from the former AEG or Schneider Electric. To secure system investments, OHP provides product maintenance as well as innovative new and further developments of remote control products based on international IEC standards. OHP thus provides seamless system technology, from the remote control substation through modem modules to control engineering from a single source.





► **Waste water management**

ProWin® in waste water management

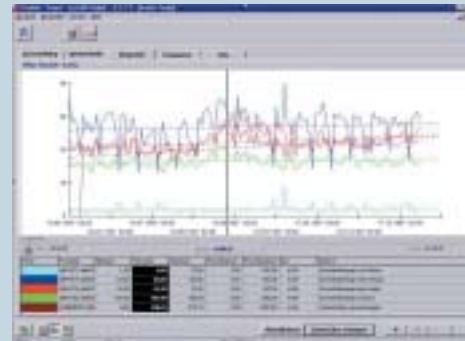
The prerequisite for cost reduction is optimum plant management while meeting legal regulations. ProWin® meets the requirements of the ATV in an integrated software package: value archive, reporting for day, month, year and maintenance protocols, as well as message reports and interference statistics, processing of calculation values, graphic representation, export interfaces and monitoring and display of rainwater overflow tanks according to the Delta Event procedure.



► **Water management**

ProWin® in water management

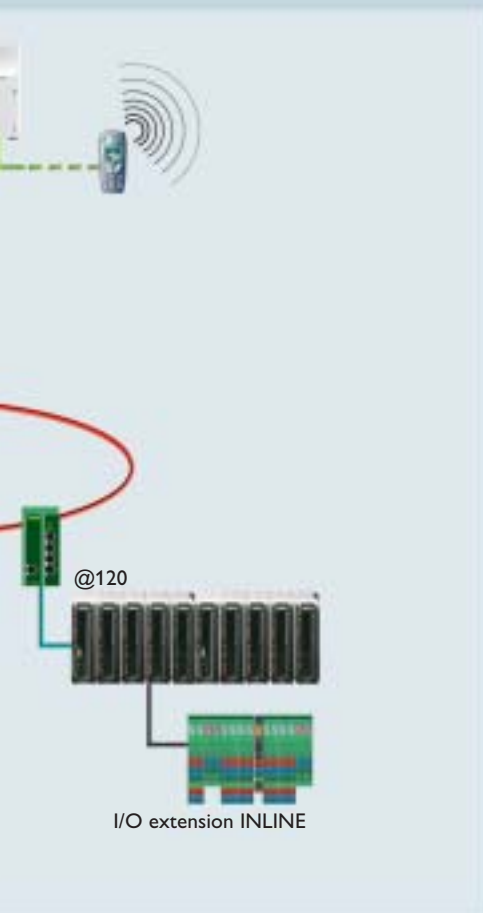
The focus of water supply companies is increasing on aspects such as cost-effectiveness, supply reliability, disasters and the enhancement of reservoir use. Specially adapted system functions are optimally supported by ProWin®. The same is true for the water extraction rate, leakage monitoring, the time-controlled output of the setpoint value for cost-effective operation of the conveying pumps, service and maintenance for counting operating hours, service life and cycles, as well as graphic tracking of the measured value.



► **Remote control technology**

ProWin® in remote control technology

Low failure probability, few bit errors, fast data transmission and special safety and data protection measures are at the focus of attention in remote control technology. The ProWin® software allows correct processing of process data including a time stamp, an integrated dialling service with schedule table, direct processing of the remote control station, specific handling of general queries and count values in leased and dial-up line operation.



▶ Remote Systems (ReSy)

AUTOMATIONWORX for Remote Systems (ReSy)

In accordance with your application needs, the function block library ReSy enables you to handle various requirements in modern remote control technology quickly and easily. Distributed external stations as well as modular remote control stations are set up with proven standard components, e.g. from the Inline automation kit as well as controllers, modems and remote control software. Data can be transmitted either wired or wireless in acc. with IEC 60870-5-101 AWD or PxC FWT-AC and FWT-S.

▶ Controllers



Compact controllers

ILC 200 IB and ILC 350 ETH

The 200 class controller processes small to medium-scale control tasks in the remote control station, high control performance and finely modular expandability with digital and analog inputs and outputs as well as an integrated Ethernet interface are particular features of the ILC 350 ETH as head of a remote control substation or a remote control center. Both controllers can be extended by the Inline system and various modems can be connected for data transmission.



I/O systems

For the control cabinet and the field

As I/O extension for the remote control substations as well as the remote control centers, the different modules in IP20 or IP67 can be put together and scaled individually. The remote control application can therefore be extended with modules and can even be added to with distributed fieldbus modules.



Network infrastructure

In line with industrial requirements and control cabinet mountable

Remote control networks are increasingly constructed using Ethernet structures. Secure data transmission, e.g. in acc. with IEC 60870-5-104, supports the managed switches from the Factory Line system using variable redundancy functions. The devices can be easily configured using the integrated web servers.



@120

The modular remote control PLC

The @120 is a modular remote control PLC based on the proven A120/Compact. In addition to the familiar A120/Compact automation technology, the long-term availability of this series can thus be guaranteed. For existing A120/Compact systems, the ALU320 makes it possible to pursue migration strategies whilst retaining the existing I/Os. Communication takes place via internationally standardized protocols, such as IEC 60870-5-101 and 104, as well as via standard interfaces. The inputs and outputs can be extended at any time and without difficulty using the I/O system from Phoenix Contact.



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questions at the headquarters at:

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