PVSS is a control system suited for a wide variety of applications. It meets the highest standards of all sectors, from traffic solutions to distribution networks for energy, water and gas.

Thanks to its open architecture, PVSS is a real end-to-end solution. PVSS process visualization and control system can be used in small remote outstations and in large central control rooms offering operators and users the same look-and-feel on every level. In any situation PVSS guarantees high availability, reliable information, fast interaction and ease of use. The security features in PVSS will not allow unauthorized use of the system.

The advanced software architecture of PVSS ensures maximum uptime. Even changes to the application can be made without stopping the process. Herewith profitability, efficiency and safety are always in balance. PVSS continues to show its reliability in a wide variety of mission critical applications.

**Scalability**
PVSS scales to requirements - from single-site systems to networked, redundant high-end systems with more than 10 Mio tags.

**Distributed Systems**
For distributed systems up to 2048 servers

**Platform Independence**
PVSS is platform-independent and available for Windows, Linux and Solaris.

**Reliability and availability**
Hot-Standby Redundancy and Disaster Recovery System guarantee highest reliability and availability.

**Platform for customized solutions**
PVSS enables the development of customized solutions, which provide comprehensive out-of-box end user functions and engineering tools for fast and effective creation of applications.

**Saving valuable engineering time is top priority!**
PVSS - SCADA and more
Software solutions for process control

Scalable structure
PVSS can be used on various levels in the automation pyramid of a company. As a HMI (human machine interface) down at the bottom of the pyramid, where PLCs, field buses, sensors and actuators operate at field level. Directly above this level as SCADA - on this level data is gathered from several local systems and transformed into regional or plant management information. Also data on this level is often stored for a longer period of time in a relational database. The next and top level is the central control system also called top-end - here information is handled in such a way that supervisors have a complete overview of all operations: local and regional. Powerful, expandable, scalable, modular architecture forms the basis of the entire system. This concept allows users to have one system on all levels.

Archiving
Complex technical processes generate large amounts of information. Among the integrated standard archiving functionality, the PVSS Relational Database Manager (RDB), specially designed, allows to archive values and alerts in an ORACLE database. Data can be read either from PVSS or with the aid of external tools that query the relational database. The type of archive is not important with regard to the core processes of PVSS. The various types of archives are transparent for these processes and the same tools can be used to save and query the values.

Connectivity
PVSS champions positive openness. A large number of drivers are available for the field level, for PLCs and RTUs.


Special features & PVSS Add-On’s:

PVSS Video: Easy integration of video management in SCADA
Disaster Recovery System: Backup for the Master Control Center
PVSS Pocket Client for operations via mobile devices
PVSS Web Client: Full functional client for operations via web browser
PVSS GIS Viewer enables the visualization of distributed systems on a map
Advanced Maintenance Suite (AMS) for efficient maintenance management
PVSS BACnet for central building control systems
Integrated Engineering with ETool
PVSS is SIL 3 certified according IEC 61508
Excel Report: represents a comprehensive report generator, for Microsoft Excel, with tables, graphics and diagrams at any time

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