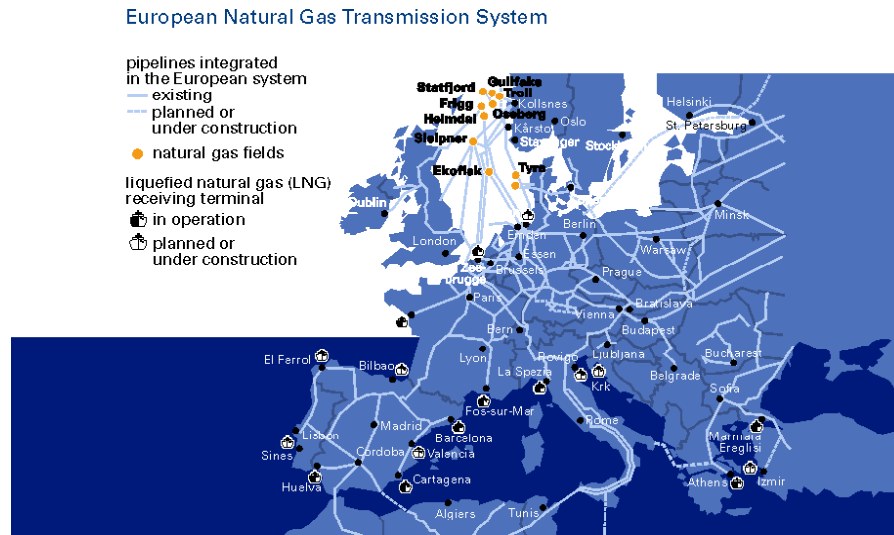


PSI Control GAS - Managing Transmission and Distribution



Courtesy of Ruhrgas

PSI Control guarantees

- Flexibility
- Scalability
- Availability
- Reliability
- Operating safety
- Profitability

Crude oil and natural gas are the most important natural resources for modern industrial societies and of utmost importance for energy reliability. Pipelines and distribution networks transport oil and gas economically and safely from source to consumer - on-time in required quantity and quality - very often over long distances, country borders and strict environmental constraints.

Core Competence

PSI ensures that Europe is supplied daily with oil and gas around the clock. In Asia and other parts of the world as well, customers and partners are increasingly implementing our state-of-the-art systems. Over 30 years successfully implementing turn-key solutions speaks for itself. Every important supply line in Germany and Austria as well as many significant gas and oil pipelines and gas networks that cross Europe are reliably monitored and controlled every day with PSI Control.

„Managing Transmission & Distribution“ is our core competence. Our customers receive many years of technological experience, system solutions and service from one source. We advise our customers and collect all processes and operational procedures in detail. Based on these results, the necessary components are selected and integrated together to guarantee an optimal and economically sound system solution that meets all the customer’s requirements.

Dependable customer service is always included in our solution offer. PSI implements a technical solution and accompanies you through all phases of the project. An experienced team will work closely with you to ensure that your project is realised on time and within budget. Thanks to modern communication technology, we guarantee quick support – even over long distances or across many time zones.

PSIControl – The Modern Integrated Solution

PSIControl is a modern and integrated system solution that monitors and controls the transport of natural gas in pipelines and distribution networks: Starting from the acquisition and transmission of process values, then to gas specific data archiving and processing as well as closed-loop network control and finally to simulation and optimisation of complex gas networks. PSIControl functions as a complete, flexible, scalable and open system for the total management of gas transport and gas distribution. Standard parameterisation, archiving, analyses and reporting guarantee that all parts are seamlessly integrated as required by the complete solution.

Flexible means vendor and platform independent. We communicate via international standards with the existing automation systems of all reputable manufacturers. Even when the system is running, obsolete hardware and software can be exchanged with new equipment /versions individually or in modules. PSIControl is based on proven standards like Linux, Windows, Oracle and Internet as well as integrated mobile telecommunication solutions.

Scalable means meeting the respective requirements. Pipelines and networks have different expansion stages and demand different requirements of the system. PSI guarantees that every expansion phase has consistently high processing speed and is fail-safe. Hot-standby redundancy, automatic switch-over without processing interruption as well as redundant data saving ensure high system availability.

Open means standard conformity and safety. PSIControl delivers displays, reports, analyses and results extensively and as required to all organisational units of gas transportation and supply

companies as well as their suppliers, consumers and partners to ensure successful and company wide cooperation.

Functionally complete. PSIControl's hierarchical object oriented data model can fully integrate all elements of a technical gas network. Highly efficient tools allow the automatic integration of customer specific processing rules. Innovative expansion of the data model with topological values as well as powerful and fast graphical visualisation guarantee that PSIControl possesses powerful base functions which can also be used as the backbone for other solution components.

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