



OSI Continua

Pipeline Network Management System

In a world with finite natural resources and exponentially increasing energy demands, pipeline network operators are facing increasing obligations to optimize the operation and management of their pipeline systems, all while these systems continue to grow significantly, in both scale and in complexity.

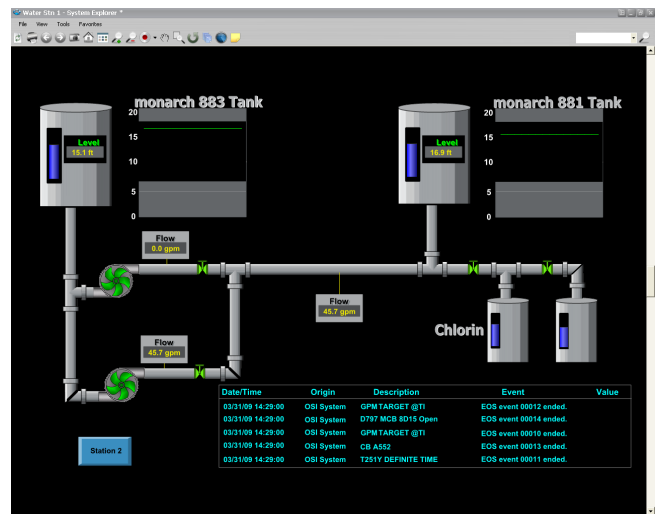
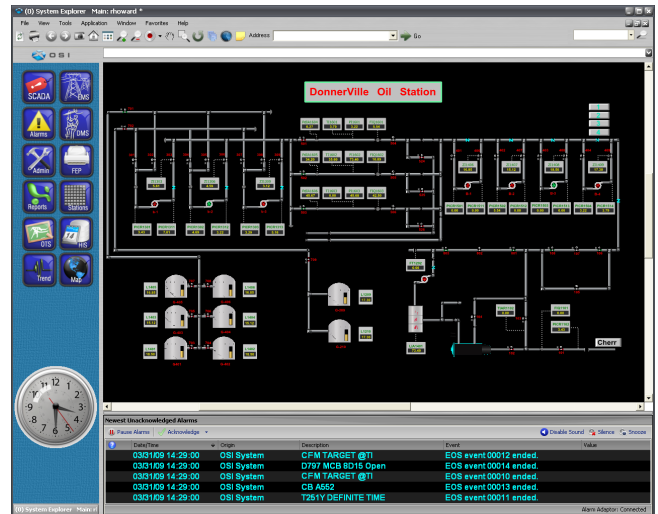
In spite of increasing demands being placed on the operation of pipeline and transportation networks, traditional industry automation solutions are predominantly based upon inflexible and low performance platforms, often based on technology originally designed for DCS and low-tier control systems.

To meet the challenges facing pipeline operators today, OSI has developed the **OSI Continua™** platform; a comprehensive Pipeline Network Management System specifically intended for the supervisory control and analysis of modern pipeline networks.

OSI Continua is built on top of OSI's industry-leading **monarch™** (Multi-platform Open Network ARCHitecture) platform. Originally designed for critical electrical network operations with highly rigid performance, capacity, throughput and cyber-security requirements, OSI's **monarch** system offers an ideal platform for both small and large-scale hydrocarbon, water and chemical processing automation projects.

The **OSI Continua** platform supports a full suite of fluid network management solutions, including:

- Network Topology and Connectivity Analysis/Coloring
- Network Pressure and Flow Analysis
- AGA Compliant standardized calculations
- Real-time monitoring of network flow and pressure data
- Pipeline network supervisory control, including Long Distance transmission pipelines
- Leak detection
- Operator training and pipeline network simulation
- Gas Odorant Inventory
- Meter Verification



OSI Continua is a flexible, expandable and adaptable network management platform, specifically intended for the large-scale pipeline networks of petroleum systems, natural gas systems, comprehensive chemical processing operations and water networks.

Through a growing selection of open interfaces, **OSI Continua** is capable of seamlessly communicating with many third-party products, including Remote Terminal Units, PLCs and various pipeline software products.

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OSI Continua Overview

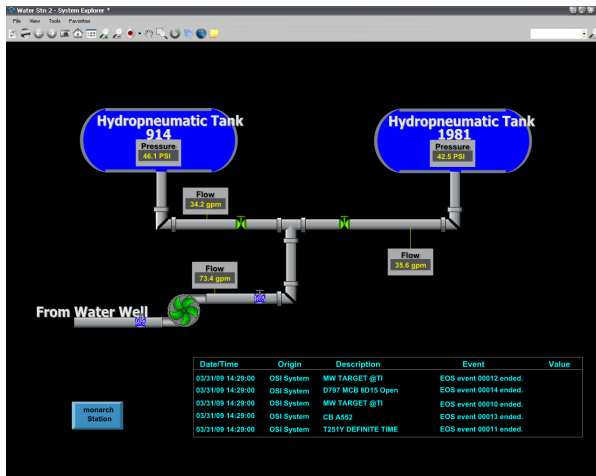
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OSI Continua – Pipeline Network Management System

The broad selection of **OSI Continua** Pipeline Network Management products are easily operated and maintained through OSI's next-generation **OpenView™** Graphical User Interface, based on the Microsoft .NET Framework.

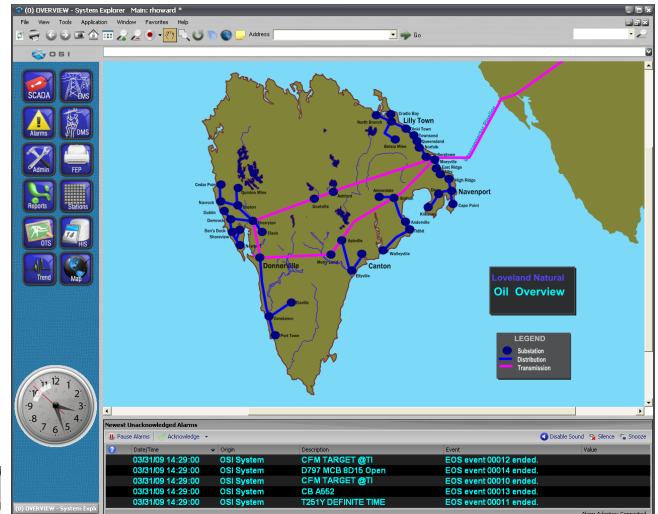
OSI Continua operates in a real-time environment where available field measurements present up-to-the-minute system connectivity metrics that enable highly accurate pressure and flow calculations.

OSI Continua features a Simulation Mode where various “what-if” system and network conditions can be recorded and studied to allow users to effectively plan for future trends.



Results produced from these applications are viewable in an advanced list-based display format, with intuitive view customization options such as sorting, filtering and field grouping.

Simulation Mode results can also be viewed on operator one-line diagrams and other graphical formats using modern visualization tools. Generated results and historical data from **OSI Continua** can also be viewed through various standardized reporting tools, including Microsoft Excel and Crystal reports.



OSI provides extensive support for popular third-party database and display interfaces, to make the process of upgrading your legacy SCADA technology to an OSI system as seamless and hassle-free as possible.

Salient features of **OSI Continua** include:

- Support for various operating system platforms, including Windows, Unix and Linux-based systems
- An RDBMS-based historian that supports major database standards such as those for SQL, MySQL and Oracle
- IP-enabled communications architecture
- A next-generation GUI based on the Microsoft .NET Framework
- Remote user display and report browsing with control capabilities
- Full third-party hardware and software independence
- Online database and display editing
- Interfaces to third-party enterprise applications, including GIS systems

Product specifications in this document are subject to change without notice.