



AVEVA

PRODUCT DATASHEET

AVEVA™ Enterprise SCADA

AVEVA Enterprise SCADA is the most trusted SCADA for enterprise oil and gas pipeline and gas distribution operations worldwide. A highly distributed and secure real-time platform, it integrates with AVEVA's advanced pipeline operations applications to deliver superior situational awareness to the control room operators.

Generic SCADA systems lack the tools to assist oil and gas companies in operating the pipeline in real time. This means that the pipeline controller must perform many tasks manually, jeopardizing productivity, safety and customer satisfaction.

Overview

Leveraging decades of experience, AVEVA has become a provider of choice for many of the world's leading Oil and Gas pipeline and Gas distribution operators. Key decision makers have come to know that AVEVA is the first and last place to look for products that solve their business problems. AVEVA Enterprise SCADA is a high availability, multi-redundant real-time platform that makes the most of supervisory control and data acquisition (SCADA) standards. It combines the systems your business already relies on with technological solutions from our many software suites, our trusted partners and industry. You benefit from best-in-class choices all tailored to the unique needs of your business.

AVEVA Enterprise SCADA

AVEVA Enterprise SCADA is the overarching platform and strategy on which AVEVA Midstream applications relies. It seamlessly integrates every tool you need under a single umbrella of monitoring, control and security. Your users experience a uniform, intuitive interface offering vital information – in real time. As the foundation for your enterprise, AVEVA Enterprise SCADA gives you the flexibility to add, move or delete blocks as needed while maintaining the integrity of the overall implementation. This system design yields a variety of strategic benefits including:

 <p>Reliability</p> <p>Thanks to system-wide monitoring, field-proven redundancy automatically takes self-correcting measures. The system uses the least intrusive course of action to recover and maintain data and system integrity.</p>	 <p>Innovation</p> <p>AVEVA Enterprise SCADA delivers high-value solutions with increased security and reliability to provide maximum return on your IT investment. Our collective technological expertise, coupled with our ongoing R&D commitments ensures we continued to deliver world-class innovative solutions to you.</p>	 <p>Responsiveness</p> <p>Our middleware enhances the responsiveness of the communications between the various modules in the system. The use of push technology to send data the moment it becomes available accelerates data delivery from the real-time system, providing personnel the most timely access to information, enabling them to react to operational issues</p>
 <p>Standards</p> <p>Key industry and AVEVA standards permeate every application to produce predictable results. But the system is flexible enough that you can tailor it to your existing infrastructure instead of building from scratch.</p>	 <p>Security</p> <p>Because AVEVA works across multiple industries and geographies we need to ensure we comply with the evolving mandates of several countries. As such our software is protected with the necessary security tools to help bolster your system's security.</p>	 <p>Longevity</p> <p>With its open architecture, your AVEVA system is designed to maximize your IT investment for years to come.</p>

When you have AVEVA on your side, you can take control over the technology needed to keep up with rapid, complex, and unforeseen business change.

Alarm management

AVEVA Enterprise SCADA comes with a full set of alarm handling technologies and notification tools. Operators are empowered with higher degree of situational awareness, thereby enabling them to pay attention to what matters most. The system's nuisance alarm configuration allows you to adjust thresholds until the system presents only truly important events. All alarms are stored for later analysis to:

- Review real-time and historical event grids to visualize performance
- Chart performance trends
- Pinpoint problem areas or instruments
- Link operator behavior to alarm activity and compare to best practices

All notification functions can be centralized on a single server to minimize costs or split to take advantage of existing infrastructure or to meet security requirements.

Human Machine Interface

Through its configurability and programmability, the Enterprise SCADA HMI goes beyond primitive screen design to meet the bespoke critical infrastructure visualization needs of pipeline companies. AVEVA continues to heavily invest in a new generation of performant and standards-based Control Room Management (CRM) graphic objects. These objects conform with API RP 1165 and ASM Consortium display-building guidelines. In the control room, CRM Objects improve controller situational awareness, reduce fatigue and lead to faster and better decisions. During project execution, CRM Objects reduce display-building time and project risk and enhance employee productivity and work satisfaction. Above all, AVEVA passionately collaborates with industry to continuously improve the speed of display rendering, improve HMI uptime and reduce the total cost of display ownership.

Future-proof your business

When you have AVEVA on your side, you take control over the technology needed to keep up with rapid, complex, and unforeseen business change. You gain peace of mind with sophisticated SCADA systems that support your diverse information needs in real time.

For more on AVEVA Enterprise SCADA visit: aveva.com/en/products/enterprise-scada



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