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Five Key Features Required for a Perfect Fit Distributed Control System

Identify the Right DCS Solution for Your Industrial Operation

Introduction

For industrial organizations, it is imperative to increase uptime and improve reliability. Plants seek to boost the effectiveness of their operations teams, and also require faster and more accurate engineering and greater maintenance efficiency. In addition, there is a need for higher speed processing and better control in manufacturing applications.

Although Distributed Control System (DCS) technology offers significant advantages for modern industrial operations, the right solution should be purpose-built with the latest technology for your industry and application needs.

Are These Questions on Your Mind?

- How do you ensure your plant has an uninterrupted process execution?
- What if you could maintain steady and efficient operation to ensure products are manufactured according to your customer's quality and delivery standards?
- How do you ensure your plant personnel have the tools to optimize production?
- What if you could quickly respond to changes in the market that may require shifts in production type or volume, or the start-up of new manufacturing facilities?

If yes, what you're really looking for is a reliable and flexible DCS with features tailored to your control applications...

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Five Key Features Required for a Perfect Fit Distributed Control System

Feature 1:
Proven and Innovative Solutions

A DCS should be proven in the most demanding automation environments. It should also offer innovative solutions vital to improved plant operations in a fiercely competitive climate.

Characteristics of a Proven and Innovative Solution

- Stable and time-tested controller and I/O design protecting customer investment
- Proven communication networks for fault tolerance, performance and security
- Versatile and robust control environment with proven control algorithm
- S88-compliant batch control in controller enables faster, more reliable batch execution
- Distributed server architecture optimizing system integration

Feature 2:
Greater Robustness than a PLC

With the increasing demand for reliability, safety and production yield, DCS has become the preferred choice of today's plant manager, thanks to its inherent overall system approach with integrity of process data over a high-performance and deterministic network, minimizing the downtime associated with servers, HMI and applications.

Advantages of a Robust Distributed Control System

Built-in Redundancy: True redundancy at all levels of the system from the I/O all the way up through the I/O link, the controller, the network and the servers, no single point of failure.

One Data Ownership: Shared singular database across controllers and HMIs, maintaining global data consistency while enabling greater usability and operability.

Integrated Station Environment: Allows direct access to controllers for process data, alarms and messages for constant view and control of the process.

ASM®-compliant Safe Operator Functions: Provides integrated, interactive instructions to reduce incidents, as well as alarm handling and display layouts to improve overall operator response to abnormal conditions.

Feature 3:
Technology to Meet Your Specific Requirements

Today, there is a growing demand for a flexible distributed control solution designed to meet the diverse requirements of industrial sites around the world. What this means is a solution enabling users to achieve the performance advantages of a true DCS at a more affordable price than alternative approaches.

Purpose-built DCS for Your Specific Requirements

- Pre-built template and rich function libraries enabling rapid implementation of best practices
- Built-in function blocks specific for power applications
- Advanced batch control capability supporting chemical manufacturing
- CFR21 Part 11 compliant system for pharmaceutical needs
- Flexible and compact IO design simplifies project execution and reduces maintenance cost

Feature 4:
Simple Configuration and Use

The DCS you choose shouldn't just provide sophisticated process control and SCADA functionality; it should also simplify the use and configuration of these capabilities. This will allow you to elevate your automation performance without disrupting your existing operations or changing your normal work practices.

How to Make Engineering and Operations Easier

- Standardized display library with highest ASM compliance
- Multi-level hierarchy windows with single click navigation
- Pre-built equipment templates for easy configuration and maintenance
- Class-based recipes for faster implementation
- Bulk configuration tools that eliminate repetitive manual tasks
- Dynamic alarm suppression that simplifies plant operations.

Feature 5:

Flexibility to Expand Control

Now, more than ever, your industrial facility needs the confidence of a secure path forward for its process control system. Wouldn't it make sense to decide the level of automation that's appropriate for you today, and then expand the system at your own pace as your business grows?

Grow to Fit Your Needs

A state-of-the-art DCS should be very flexible, from a single controller, engineering/operator station or server for the system— all residing in one PC or redundant pair of PCs. The system can then expand to many controllers, stations and redundant servers, and even beyond.

Implement Control Where You Want It

A modern distributed system architecture ensures separate DCS clusters that can be independently installed and maintained, simplifying the overall support. It also provides maximum flexibility for geographically distributed control areas, or control areas in different periods of construction.

Achieve Production Goals Faster

With the right DCS, your process control personnel can reduce the time spent getting ready for first production by utilizing features such as drag-and-drop configuration, prebuilt algorithms, a global database, and integrated tag configuration. They can also develop ASM-compliant, preconfigured displays and objects.

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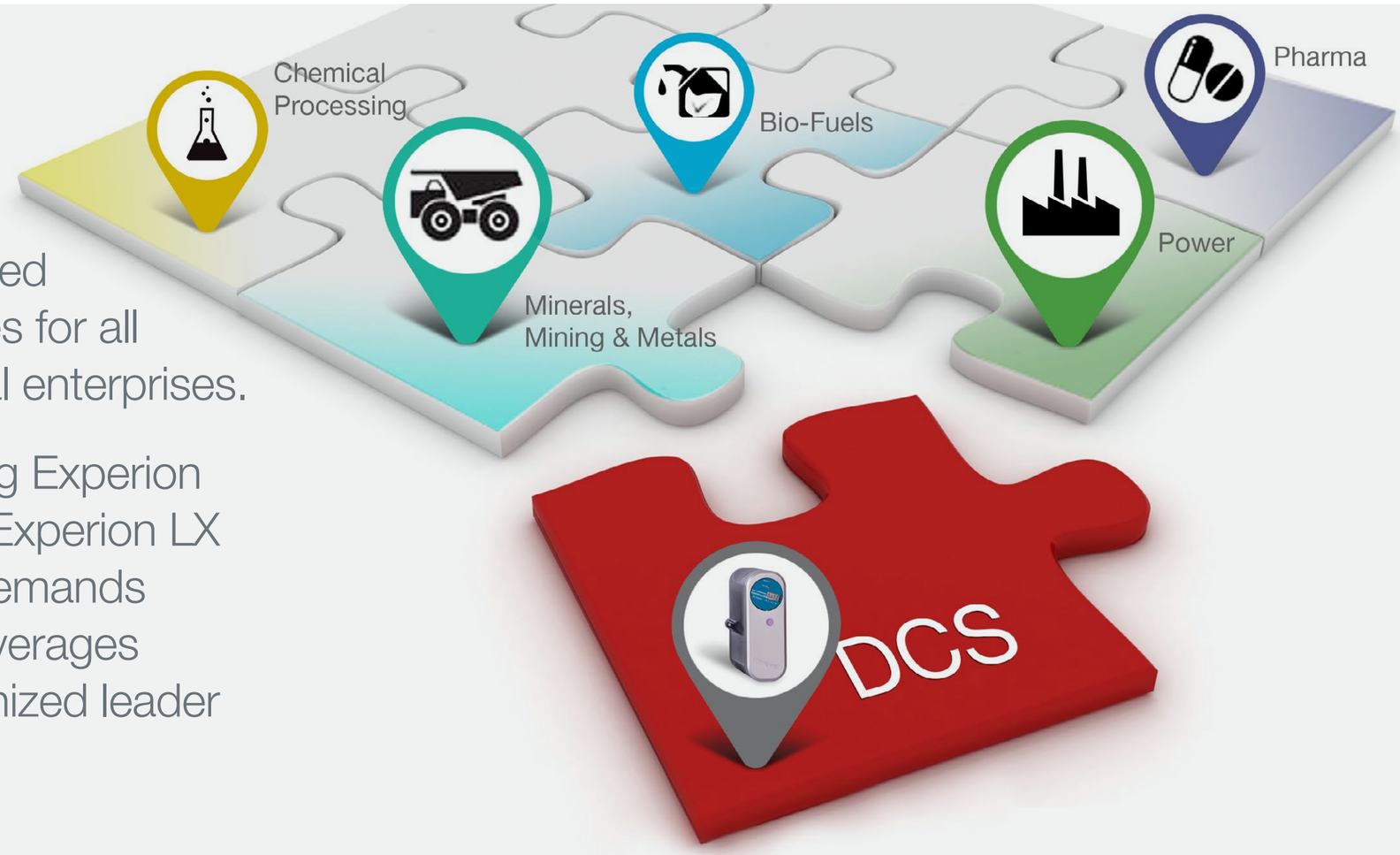
Discover a **Perfect Fit** Control System

Introducing Experion LX—a Distributed Control System with the right features for all types of manufacturers and industrial enterprises.

Based on Honeywell's award-winning Experion Process Knowledge System (PKS), Experion LX efficiently answers the automation demands of differently sized operations and leverages Honeywell's track record as a recognized leader in the field of process control.



Experion LX

Proven. Purpose-Built. Easy-to-Use.

Rely on Honeywell

Around the world, Honeywell's control systems are employed in the most demanding industrial applications to improve process safety, reliability and efficiency. You can rely on our proven, advanced DCS technology to improve your operational and business performance.

For More Information

To learn more about Honeywell's Experion LX solution, visit www.honeywellprocess.com or contact your Honeywell account manager in your country/region or write to us at hpsmarketing@honeywell.com