

D/3® is a leading-edge Distributed Control System (DCS) that incorporates a full suite of intuitive software tools designed to improve product quality, maximize throughput and increase profits for process manufacturing companies. Featuring a flexible, open architecture and the familiar Microsoft Windows environment, D/3 is easy to use, maintain and configure—saving both time and money.

With real-time access to any process or control function, D/3® provides easy management and complete control of process information throughout the plant enterprise and offers a robust set of process automation capabilities such as:

Visualization

Resolve plant problems faster and make better decisions with TotalVision®. TotalVision allows you to build custom vector graphics and zoom on any object with complete detail and no pixelization. With an extensive library of objects and models, you can quickly drop a thousand valves on a hundred graphics! If you need to globally change an object behavior, just change it in the library. Then the next time an operator calls up a graphic with that library object, the system will automatically load the latest version. D/3® keeps all your graphics current with minimal effort.

Alarming

Easily inhibit downstream alarms and adjust alarm classifications based on the status of your process areas, assign 256 alarm categories and 256 priorities, filter and sort alarms, and display multiple alarm windows all with just a few clicks of the mouse.

Product Tracking

Easily track and record product quality information throughout your continuous and batch manufacturing processes with D/3's intuitive operator displays.

Trending

View or export current and historical trend data including groups or any point displayed on a graphic or in an alarm page.

Data Collecting

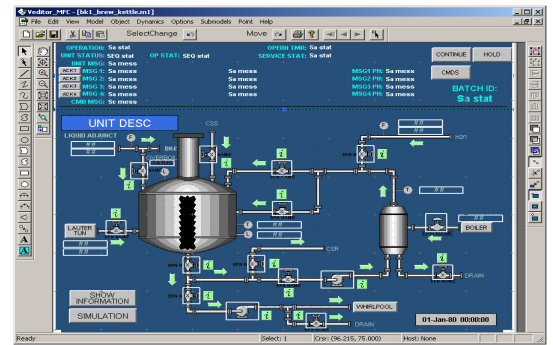
Access all process data and make it available to a variety of industry standard applications like ODBC, DCE, OPC, and standard C++ data access techniques.

Integration

Gain greater access to information from the rest of your enterprise by integrating D/3® with enterprise resource planning (ERP) systems, supply chain planning (SCP) systems, laboratory information management systems (LIMS), and equipment control systems.



D/3® Distributed Control System
Powerful, Reliable & Compact



D/3's open system architecture and Windows environment

Continuous Control

Rapidly deploy projects and easily configure control strategies with D/3's comprehensive functionality that makes even the most complex of process control challenges simple.

Sequential Automation

Manage complex automation projects easily with object-oriented logical device authoring. Graphically create master devices for pumps, motors, and valves and define normal and abnormal logic associated with them. Thousands of devices can use the logic of the master device and you only need to specify differences like I/O address. Additionally, our structured text language, SABL®, enables you to easily automate the most complex of plant operations and, with Unit Relativity, minimize the amount of software you need to create.

Batch Process Automation

Meet regulatory requirements; manufacture products consistently at lower costs and in shorter time frames; create, document, and manage batch recipes at a single plant or across your enterprise with Flex-Batch™—our recipe and process management MES solution. It exceeds the capabilities defined by ISA S88 and IEC 61512 standards for batch control and layers on top of your process control system providing the ability to schedule production and control the execution of your product recipes while creating electronic batch records.

System-wide Redundancy

Ensure system reliability and maximize process plant availability.



D/3® Distributed Control System Powerful, Reliable & Compact

Superior I/O Support

NovaTech 8000 Series I/O includes a full range of remote I/O modules with a -40°C to +70°C temperature range and ISA's stringent G3 corrosion resistance. HART® information passes through the modules without additional field wiring and intrinsically safe modules are available for hazardous locations. In addition to the redundant Ethernet communication modules, NovaTech 8000 I/O is available in a 1 to 6 I/O module redundant configuration. D/3 also directly supports I/O families from Schneider and Siemens and a wide variety of I/O protocols including Modbus/TCP, EtherNet/IP, Foundation Fieldbus, and DF-1.

Evolutionary System Design

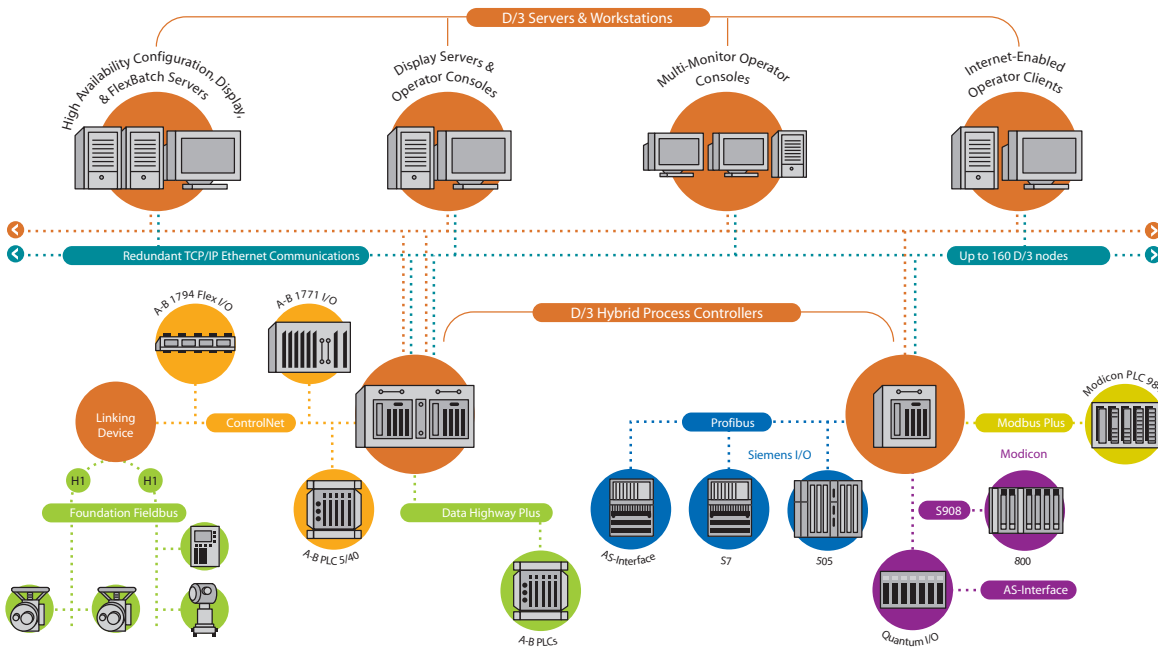
Enjoy the benefits of revolutionary technology advancement without replacing existing system investments or rewriting applications. In the development of D/3®, a migration path for users is always a key consideration and new releases leverage the latest technology.

Compliance

Ensure compliance with such industry recognized standards as S72, ODBC, OPC, S88, and IEC-61512. I/O hardware offered with D/3® is UL, FM, and CE approved for use internationally.

Scalable Architecture

D/3® is a completely scalable solution that will meet your needs today and when you expand in the future. Whether your process control and automation application requires less than 250 field devices or you need to support more than 100,000, D/3 is the Process Automation System for you.



D/3® System Architecture

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