

NovaTech Process Automation Solutions

NovaTech Process Solutions provides state-of-the-art process control and energy management solutions to Fortune 500 and specialty applications around the world. Our innovative products are open, dependable, and highly configurable, and our people are the best in the business.

- [8000 Series I/O](#)
- [D/3® DCS](#)
- [FlexBatch](#)
- [Interactive Procedure Suite](#)
- [TotalVision Process HMI](#)
- [Orion for Process](#)

- [Energy Management](#)
- [BioMass Conversion Systems](#)
- [System Life Planning](#)
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Our solutions enhance the reliability, security, throughput, and flexibility of a batch or continuous processes while reducing overall costs.

Process Automation Products

8000 Series I/O

The [8000 Series I/O](#) is the native I/O of the D/3® DCS. NovaTech 8000 I/O is ideal for new installations and for upgrading existing NovaTech 16000 series I/O families in existing Process Control Module cabinets.

Cyber-Security Solutions

The [NovaTech Security Appliance \(NSA\)](#) is a hardened encryption gateway that provides access controls to intelligent electronic devices (IEDs) in remote electrical substations and factory environments without the need for special environment or electrical conditioning.

D/3® Distributed Control System (DCS)

The [D/3 DCS](#) (also called a Process Automation System or PAS) has set the standard for highly configurable and reliable process control since it first combined batch and sequential control into a single automation system in 1982. The D/3 combines state-of-the-art features like Online Upgrades with a Guaranteed Migration Path unmatched by any other process automation supplier.

FlexBatch™

[FlexBatch](#) integrates S88 recipe management and the manufacturing process so your product developers, engineers and production staff can develop, produce, schedule and manage documented, executable recipes in a fraction of the time they spend now.

Interactive Procedure Suite™ (IPS) [back to top](#)

[Interactive Procedure Suite](#) integrates Standard Operating Procedures (SOPs) with the D/3 DCS or PLCs (through OPC) to capture and automate best practices, facilitate documentation and compliance requirements, and speed operator training. Users collaborate on visual flow charts that generate a Procedure Overview Display (POD), automation code for the D/3 DCS or OPC for PLCs, and traditional hardcopy SOPs in a fast, intuitive workflow.

Orion for Process Control

The [Orion Automation Platform](#) provides data acquisition for energy management and "islands of automation" applications in process environments by connecting to legacy, proprietary, and unsupported PLCs and Intelligent Electronic Devices (IEDs) and converting their outputs to open protocols including Modbus TCP.

TotalVision® Process HMI

The [TotalVision](#) Process Human Machine Interface (HMI; also called a Man Machine Interface or MMI) displays real time continuous and batch process information from the [D/3 DCS](#) with customizable graphics objects from an extensive library.

Process Automation Services

Biomass Conversion Systems Integration

A variety of [Biomass Conversion Systems](#) including gasification and pyrolysis gasification systems are available to convert Municipal Solid Waste (MSW), wood chips, and other industrial biomass into useful heat and electrical power for industrial and municipal power

applications, resulting in lower energy costs and reduced environmental impact. NovaTech provides ROI and fuel source analysis, vendor selection, system integration and ongoing maintenance services.

Educational Services

Training for the D/3, FlexBatch, TotalVision and other NovaTech products, as well as a full offering of [Microsoft® Certified Systems Engineering](#) courses, are available in our regional offices, at your facility, and in some cases online from [NovaTech Educational Services](#).

Energy Management Solution[back to top](#)

The NovaTech [Energy Management Solution](#) is a combination of hardware and software that converts plant-wide data on energy and fuels usage into actionable information dashboards, trends, and simulations. Plant managers can use this information to optimize their existing energy and utilities infrastructure.

Engineering Services

[Engineering Services](#) include [Applications Engineering](#), [Strategic Automation Planning](#), [Network Engineering](#), [Custom Hardware Fabrication](#), [Power & Grounding Analysis](#), Graphics Development, Project Management and more. Engineering Services are available for a specified project or as part of a [Facets Annual Field Service Support Agreement](#).

Reliability-Centered System Life Planning

[Reliability-Centered System Life Planning](#) is a comprehensive analysis of all control system components that results in a detailed and prioritized preventative maintenance program.

Process Automation Industries

NovaTech Process Solutions engineers have provided automation solutions in industries from brewing to nuclear materials handling for three decades. Some of our current projects are in the following industries:

[Brewing](#)

[Chemical](#)

[Ethanol](#)

[Food and Beverage](#)

[Biomass Conversion Systems Integration](#)

[Metals](#)

[Pharmaceutical](#)