

Base Station

- Adaptable work environment
- Scalable to suit your needs
- Dedicated functional use



Use the Base Station to build a custom DeltaV™ workstation to meet your needs.

Introduction

Are you looking for applications that will *easily adapt* to your specific distributed control system? Do you want to start small and add applications as you need them? Or, do you want a dedicated station for engineering, operations, or maintenance? The DeltaV™ Base Station gives you the *freedom to do it all*.

Choose from a variety of software applications to create the workstation software suite that fits your specific needs. A Base Station is made up of the selected Base Station software applications and the DeltaV hardware to run it.

The Base Station delivers *state-of-the-art* applications in any combination. The DeltaV Base Station includes all of the communications and security capabilities provided with the other DeltaV stations, while giving you the flexibility to select the applications right for you.

You can select for your Base Station to act as a DeltaV Remote Client interface to the DeltaV system, just to view history charts, or to have the full capabilities of a Professional Station.

Benefits

Adaptable work environment. The Base Station was *designed with you, our customer, in mind*. Select the applications that match your needs.

Scalable to suit your needs. Start small and add on as necessary. Total system integration gives you the confidence to know that DeltaV products will always perform. Get exactly *what you need*—nothing more, nothing less.

Embedded smart communications. In a DeltaV system, communications between nodes is totally transparent. You don't need to know the details associated with the request/ response and exception reporting mechanisms embedded in every DeltaV node to take advantage of DeltaV communications. Workstation applications have automatic access to all tags in your process.

Tag information is transparently delivered throughout the DeltaV system so that all parts are aware of the others and can simply ask for tag information by name, not some cryptic address or physical location.

Dedicated functional use. Create a workstation for configuration, troubleshooting, operation or maintenance. The flexible Base Station enables you to *do it your way*.

Use the unique DeltaV *Flexlock* feature to securely lock operators into the DeltaV system, limiting user access to only the applications that you choose, while also giving engineers the ability to access Windows applications, as needed.



Select from a variety of applications to suit your needs.

Product Description

The Base Station is designed to provide a solid foundation on which you can build a custom solution. All DeltaV software products include features such as windows, graphics, drag and drop, and cut and paste. This allows you to concentrate on what you need to accomplish—not on the software—to easily create, operate, and maintain a powerful distributed control solution.

Choose the options that are right for you with the Base Station. Create your Base Station to operate, monitor, troubleshoot, and maintain your process.

Your Base Station can also be used to remotely connect DeltaV Remote Clients to your DeltaV system using thin-client technology.

The included *Continuous Historian* can collect history locally on this workstation. You can have additional *Continuous Historians* on other workstations. You can view continuous, event, or batch historical data, regardless of the DeltaV workstation collecting the data. This allows you to centralize or decentralize your historical collection.

The DeltaV system can be easily expanded to accommodate additional operating, diagnostic and/or engineering users. These additional stations can be either remotely or directly connected to the DeltaV system. Refer to the Related Products section of this document for more information.

The following software applications are included in the Base Station

For detailed information about the following applications, refer to the appropriate product data sheet:

- **DeltaV Continuous Historian.** A 250-parameter DeltaV Continuous Historian is included with every DeltaV workstation. This provides the ability for up to 250 analog, discrete, and text parameters and their status to be captured and stored for future analysis. For DeltaV v12.3.1 and newer, three scale-up licenses are available that enable up to 3,250 parameters of DeltaV Continuous Historian capacity on any non-Application Station node, including the operator workstation:
 - **VE22UPS042OP1** – DeltaV Continuous Historian, Enable 1,250 Parameters
 - **VE22UPS042OP2** – DeltaV Continuous Historian, Scaleup from 1,250 to 2,250 Parameters
 - **VE22UPS042OP3** – DeltaV Continuous Historian, Scaleup from 2,250 to 3,250 Parameters.
- **DeltaV Reporter.** View, analyze and report historical process and alarm and event data from the DeltaV Continuous Historian and the Event Chronicle in your copy of Microsoft Excel.
- **Flexlock.** Creates dual desktops on a single workstation to ensure that operators remain dedicated to monitoring, troubleshooting, and maintaining the process according to plant operating philosophies while also giving engineers the ability to access restricted areas as needed. Flexlock is a DeltaV exclusive.

Products included with appropriate options and system licenses

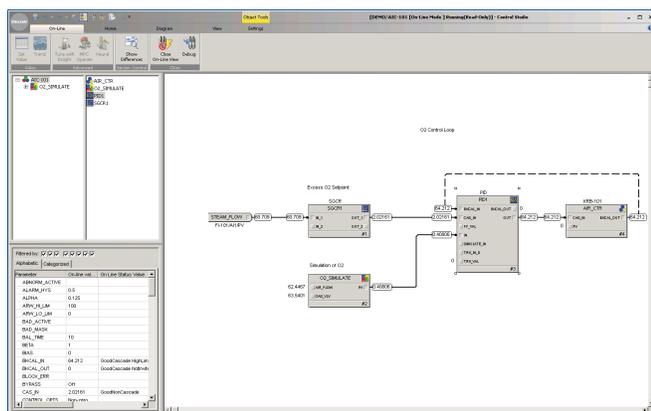
When the appropriate system licenses are included in your DeltaV system, the following applications are provided:

- DeltaV InSight.** Control performance monitoring and loop tuning application embedded in DeltaV. Identifies control problems and improves control performance with automatic process learning, loop diagnostics, on-demand and adaptive tuning, and automatic report generation.
- DeltaV Predict and PredictPro.** Model Predictive Control (MPC) which runs in DeltaV to provide multivariable control and optimization for small and large applications. Includes off-line model identification and simulation, plus on-line MPC with operator interface.

Options

To enhance your Base Station, the following options may be added:

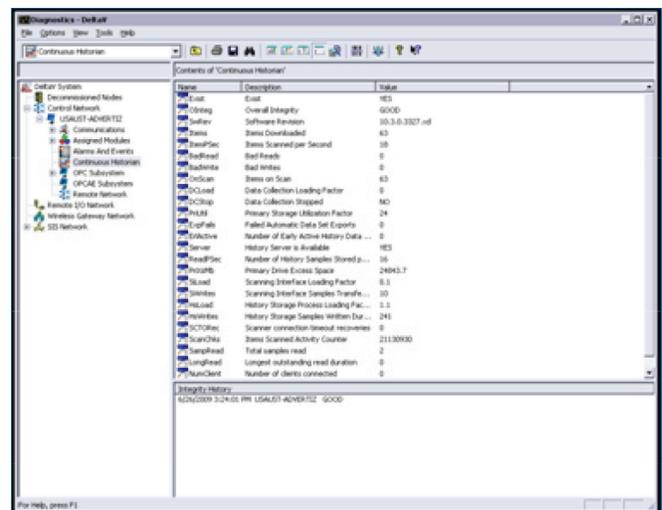
- AMS Device Manager Client SC.** Add full configuration of HART and FOUNDATION Fieldbus devices using AMS Device Manager Server Plus located on a different workstation (license from AMS Suite: Intelligent Device Manager required for configuration capability).
- Configuration Software Suite.** Makes it easy to create Control Strategies and System Graphics to get your plant up and running quickly and efficiently.
- Control Studio On-line.** Graphically monitor and troubleshoot running control strategies.



View executing control strategies with Control Studio

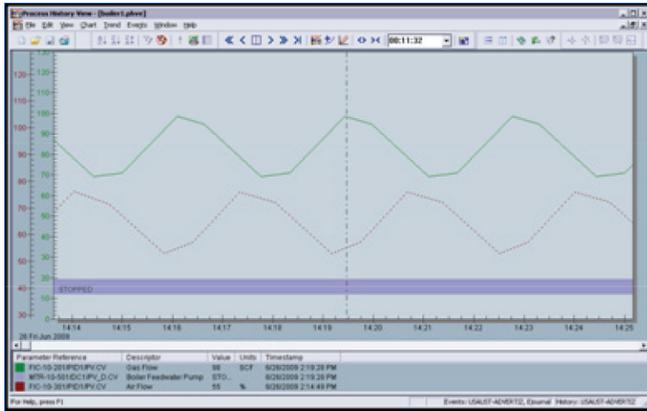
- DeltaV Excel Add-in.** OPC Data Access client application providing read/write access to DeltaV real-time information in your copy of Microsoft Excel.

- DeltaV InSight Basic.** Basic control performance monitoring and on-demand loop tuning application available for a single DeltaV workstation. This option is only applicable when DeltaV InSight is not included on your system.
- DeltaV Event Chronicle.** Captures process, system and user alarms and events and stores them in a Microsoft SQL Server database.
- DeltaV Live.** HTML5 based high performance operator graphics, hierarchical navigation, trends and alarms offered in standard operating layouts and utilizing system-wide built-in security.
- DeltaV Operate.** High performance operator graphics, trends and alarms offered in standard operating layouts and utilizing system-wide built-in security.
- Diagnostics.** Facilitates checking the overall health of your system and quickly resolving system hardware, software, and configuration issues.



Diagnose the DeltaV system and intelligent devices

- History View Suite.** Monitor your plant's continuous, event and batch data—historically and in real time.



View Historical charts with Process History View

- **Recipe Studio.** Add powerful yet simple to use application for graphically configuring recipes (with formulas) for successful batch production.

Related Products

Related Software Products

- **Application Station Software Suite.** Integrate DeltaV with 3rd party systems and applications on a DeltaV workstation. Includes a scalable DeltaV Continuous Historian and DeltaV OPC Data Access server.
- **Maintenance Station Software Suite.** Centralized system and device maintenance, including device calibration, device and hardware alerts and diagnostics on a DeltaV workstation.
- **Operator Station Software Suite.** Centralized operations and diagnostics on a DeltaV workstation.

Ordering Information

Description	Model Number
Base Station Software Suite	VE2106

- **Professional Station Software Suite.** Centralized operations, engineering and diagnostics on a DeltaV workstation.
- **DeltaV Engineering Seat Software Suite.** Access to engineering tools on-demand from a DeltaV workstation or Remote Client session.
- **ProfessionalPLUS Station Software Suite.** Centralized operations, engineering, configuration database and diagnostics on a DeltaV workstation.

Related Hardware Products

- **DeltaV Workstation Hardware.** Select from a variety of PC and server hardware, tested and preloaded with DeltaV software.
- **Touchscreen.** Allows displays to interact directly to operators' touch.

Prerequisites

- This software suite must be loaded onto a DeltaV workstation. A variety of hardware is available to meet your specific requirements. Refer to the DeltaV Workstation Hardware Product Data Sheet.
- One ProfessionalPLUS Station is required for each DeltaV system. Refer to the ProfessionalPLUS Station Software Suite Product Data Sheet.

Use of the DeltaV Reporter or DeltaV Excel Add-in products require a copy of Microsoft Excel (provided by others).

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