



DCS Support

Independent Control-System Oversight for Design, Upgrades, Logic, and Outage Execution

NAES Asset Solutions provides specialized Distributed Control System (DCS) support for new and operating energy facilities, bringing power-generation and control-system experience to design review, platform changes, logic review, controller and I/O support, and outage execution.

The objective is to give owners an independent technical resource that can review proposed changes, identify control-system concerns, and support critical DCS work without replacing the OEM, EPC, or facility's formal engineering authority.

WHY DCS SUPPORT MATTERS

The DCS is central to plant control, protection, monitoring, and operator interaction. Changes to logic, network architecture, control philosophy, platform software, controllers, or I/O can affect how the facility operates.

DCS projects also frequently involve multiple parties, including OEMs, EPCs, integrators, plant personnel, and vendors. Independent review can provide owners with additional technical visibility before changes are finalized or deployed.

A structured DCS support engagement can help owners evaluate:

- Control philosophy and proposed vendor logic
- DCS network architecture and platform configuration
- Logic changes before deployment
- Platform updates and major component upgrades
- Controller and I/O pack maintenance or repair activities
- Control-system scope during scheduled and forced outages
- Operational and cybersecurity considerations associated with proposed changes

HOW NAES SUPPORTS DCS SYSTEMS

NAES provides technical review and execution support across the DCS lifecycle. Depending on facility needs, the engagement may include:

DCS Design Review - For new plants, review proposed vendor logic, network architecture, and control philosophy against required performance objectives and recognized industry practices.

Upgrade & Migration Review - For existing systems, review logic changes, platform updates, and major component upgrades before implementation, with attention to integration, existing control functionality, and new operational or cybersecurity concerns.

System Platform Logic Review - Review new or modified DCS logic before deployment and provide independent technical oversight during change-management activities.

Controller & I/O Support - Support and validate DCS controller and I/O pack upgrade, repair, and maintenance activities.

Scheduled Outage Support - Provide on-site technical and project support for planned DCS maintenance, repair, controller and I/O activities, and deployment of approved logic changes.

Forced Outage / Recovery Support - Provide rapid technical support for system recovery, troubleshooting, and repair when control-system issues affect plant operation.

Scope note: NAES provides specialized technical execution and system support. Engineering design responsibility, logic ownership, and formal approval remain with the appropriate responsible parties

WHAT YOU RECEIVE

A DCS Support engagement can provide:

- Independent review of DCS design, network architecture, and control philosophy
- Documented observations and recommendations related to proposed logic or platform changes
- Technical review of DCS upgrade or migration scope
- Support for controller and I/O pack maintenance, repair, and upgrade activities
- Technical oversight during scheduled DCS outage work
- Troubleshooting and recovery support during forced control-system events
- A clearer technical basis for owner decisions involving DCS lifecycle work

WHERE THIS FITS

New Construction - Engage during EPC and control-system design development to review DCS architecture, proposed logic, and control philosophy before the project is finalized.

DCS Upgrades - Use independent technical review before major upgrades, platform migrations, logic changes, or component replacements are implemented.

Control Logic Changes - Review new or modified

logic before deployment as part of a disciplined change-management process.

Scheduled Outages - Add focused DCS technical oversight when controllers, I/O packs, platform components, or approved logic changes are included in the outage scope.

Forced Outages or Controls Events - Bring in specialized support for troubleshooting, recovery, and repair when a DCS issue affects plant operation.

DCS Support can be delivered as a focused engagement or integrated with broader NAES Asset Solutions IT/OT, reliability, operational excellence, and lifecycle support.

VALUE TO OWNERS AND OPERATORS

- Independent technical visibility into proposed DCS changes
- Stronger control-system change-management discipline
- Additional oversight during upgrades, migrations, and outage work
- Better understanding of control-system lifecycle and platform risks
- Specialized power-generation support for troubleshooting and recovery
- Clearer coordination among owners, OEMs, EPCs, integrators, and plant personnel

Engage NAES Asset Solutions when DCS design, upgrades, logic changes, controller work, or outage execution require independent control-system expertise.

