

# Medium Voltage Modernization Services

Modernize the operation of your existing medium voltage equipment

Rockwell Automation is continuously engaged in enhancing and developing our medium voltage equipment.

The modernization program allows you to implement new capabilities to increase functionality of your existing medium voltage equipment. For instance, if your application needs have changed, an upgrade of your existing hardware or software could provide the added functionality that is required to meet the new application demands.

Modernization services can be a cost-effective alternative to new capital expenditure when considering options to enhance performance and reliability of medium voltage equipment. Modernization services vary from simple hardware or software changes to complex system reconfigurations.

*Increase the functionality of your existing medium voltage equipment with new medium voltage hardware and software options*

## To Get Started

Contact your local authorized Allen-Bradley distributor or contact the Rockwell Automation Medium Voltage Group at [MVSupport\\_Services@ra.rockwell.com](mailto:MVSupport_Services@ra.rockwell.com) or 1-519-740-4790 (option 4).



## Upgrades are available for:

### Allen-Bradley® PowerFlex® 7000 Medium Voltage AC Drives

- Classic to ForGe control upgrades
- Horsepower changes
- Cooling system upgrades
- Bypass additions and modifications
- UPS options
- Motor protection relay upgrades
- Custom plenums
- Addition / implementation of most factory offered options
- Addition of SafeTorque Off (as permitted)
- Remote HMI

### Allen-Bradley® Medium Voltage Starter/SMC™ Soft Starters

- SMC™ Dialog to SMC™ Flex conversion
- Horsepower changes
- Air-Break to Vacuum Contactor conversions
- Custom plenums
- SyncPro II conversions
- Motor protection relay upgrades
- IntelliVAC™ control module conversion
- Most factory offered options

LISTEN.  
THINK.  
SOLVE.®

## Classic to ForGe Control Conversion

The upgrade from Classic to ForGe Control platform offers a more than 50 percent increase in hardware reliability, fewer spare parts, enhanced troubleshooting and diagnostic features. This helps to mitigate the risk of unplanned downtime and optimizes production.

The cost-effective upgrade can be performed using the existing footprint in most applications without any interruption to external communications.

Our qualified medium voltage field service engineers install and administer this application change from start to finish in six days in most cases.



## SMC™ Dialog to SMC Flex Conversion

As the SMC Dialog Control Soft Starter has become obsolete, a modernization kit allows you to upgrade to the latest SMC Flex control. The upgrade offers enhanced functionality:

- Improved technology on Power Stack control
- New optional control module
- New communication module

Our qualified medium voltage field service engineers can administer this modification on-site in three days in most cases.



## Uninterruptible Power Supply Addition

The Internal/ External UPS addition reduces downtime and offers increased productivity by giving the drive the ability to ride through a power loss. In most cases, the UPS can be added to existing low voltage cabinetry by mounting it on a swing-out panel that allows easy access to wiring and components.

Our qualified medium voltage field service engineers can implement this change on-site within 48 hours.



## Motor Protection System Conversion Kit

Even slight changes in the starting and operating behavior of a motor may indicate impending faults, which could result in major equipment damage. The use of an Allen-Bradley 857 motor and feeder protection relay helps protect your motor investment with increased system monitoring and functionality.



The Allen-Bradley modular 857 motor protection relay is available at significant cost savings compared to other protective relay systems, while offering the same or optional features. Configuring the 857 relay is faster, and the easy-to-install kit allows you to do the conversion yourself. If you require additional support, Rockwell Automation Field Service and Technical Support engineers can offer in-depth troubleshooting and technical support.

## PanelView™ 550 to PanelView 1000

As the Allen-Bradley® PanelView Standard 550 Graphic Terminal has become obsolete, a field retrofit kit allows you to upgrade a ForGe platform drive to the latest HMI technology using the PanelView Plus 1000 Graphic Terminal, offering the following enhanced functionality:



- Local or remote HMI mounting options
- PDF viewer function to access project-specific documentation such as drawings or user manuals
- Easy and quick VFD firmware updates
- Consolidated control interface for synchronous transfer VFD systems
- The ability to use one HMI for multiple VFDs
- An HMI that supports English, French, Spanish, Portuguese, German, Chinese, Italian and Russian languages

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[www.rockwellautomation.com](http://www.rockwellautomation.com)

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