

## ***EnControl*** **Controls Upgrade Program**



### **Benefits include:**

- Seamless integration
- Cost-effective solution for updating obsolete instruments and controls
- Increased performance without sacrificing quality
- Intuitive operator interface to minimize training needs, eliminate errors and enable efficient process management

USFilter now offers *EnControl*, the most comprehensive program for upgrading obsolete or special-function controls, relays and timers or existing programmable logic controllers (PLCs) for optimal performance of your water treatment systems. USFilter's *EnControl* upgrade program integrates the single-source convenience of the world's largest water treatment company with our unique knowledge of PLC-based instrumentation and controls for virtually any application.

The *EnControl* upgrade program is especially useful when your existing system:

- Needs to be integrated into a new control scheme or you are implementing new unit operations
- Has high operator or maintenance demands
- Operates inconsistently or erratically
- Has become obsolete
- Cannot be upgraded by the original supplier

Our experienced staff of control system integrators can provide standardized systems to optimize your water treatment control systems or we can custom engineer a design for your

specific needs. Safeguards are built-in to prevent erratic operation, even in the unlikely event of instrument failure.

The controllers we use deliver uncompromising performance in a tightly integrated control package. In many instances, USFilter uses the Allen-Bradley™ SLC™ line of programmable controllers because of their worldwide acceptance in the industry and proven reliability in thousands of installations. The Allen-Bradley line also offers the added bonus that spare parts are readily available around the world. USFilter can also provide fully customized panels implementing any popular PLC.

## Outdated Special Function Controller



## Optimized PLC



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A typical upgrade would also include a Human Machine Interface (HMI) with a dynamic, crisp display featuring easy-to-use screens for operation step/time status, alarms and mode of operation. USFilter uses the Cutler-Hammer PanelMate® Series HMI in hundreds of applications. Their rugged display is rated NEMA 4 and is ideal for use with water treatment systems. Upon request, larger systems can be supplied with a personal computer running a supervisory package, such as Wonderware® or RSView®.

Our *EnControl* upgrade program utilizes all new equipment in standard enclosures engineered to operate your system. They are completely programmed, tested and ready for installation. For multiple

panel systems, remote input/output enclosures will be supplied to dramatically reduce downtime and quickly get your system back into production.

With your new system, USFilter will provide a complete documentation package including:

- Schematics
- Panel door layout
- Panel interior layout
- PLC logic printout
- Control description
- Major component list
- Spare parts list

The documentation package will allow easy installation of the new control package. In addition, the programmable logic controller and HMI will be completely programmed and tested for easy startup. USFilter

can also provide solutions for clean and easy mounting of the PLC/HMI.

Depending on your specific needs, USFilter's *EnControl* upgrade program can also include:

- Detailed written assessment of current installation and recommendations
- Replacement of all parts
- Testing, troubleshooting, shipping and installation supervision of the PLC, HMI and all associated parts
- Warranty of 90 days
- Total in-house engineering and design resources
- Instrumentation replacement

**USFilter**

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