

Predict the Future of Your Field Devices with Emerson's Diagnostics Services

- *Identify equipment that needs repair before it causes problems*
- *Maximize uptime and strategize downtime*
- *Budget maintenance dollars more effectively*
- *Achieve life cycle goals with planned maintenance*



Emerson's Instrument & Valve Services can help you move from reactive to predictive maintenance practices.

Precision is critical. If your valves and instruments aren't performing to industry and factory specifications, your process isn't at its peak performance. Your profits could decrease; you could be fined for failing to meet regulatory standards; and worst of all, your employees could be at risk for injury.

You want to keep your equipment operating at optimal levels.

But what approach is best for your plant's life cycle? Run until failure or overhaul periodically? Both are expensive. What if you could put your maintenance dollars into the instruments and valves that actually need repair – and identify them before they fail?

Now you can, by taking advantage of the experience of Emerson's Instrument & Valve Services.



Leverage predictive diagnostics from your intelligent field devices to enable an effective maintenance strategy.

Predictive Maintenance

Our skilled, certified field technicians employ their experience and advanced diagnostic tools to offer you reliable results. We carefully analyze your control valves and instruments to determine the most appropriate service. If a valve only needs adjustments or calibration, we handle it “on the spot,” providing you with an as-found/as-left diagnostic report.

With Emerson’s turnaround services, you will receive a comprehensive diagnostic plan that allows you to create a predictive maintenance program, optimizing plant performance, reducing costs, and increasing environmental health and safety compliance.

Or we can determine the exact parts your devices will require before an outage, saving you the time and money involved with ordering unnecessary equipment.

Plan Development and Implementation

With years of experience and a wide range of diagnostic tools, Emerson will work with you to develop a plan for your control valves and instrumentation that meets your business needs.

Using simple tools to identify maintenance priorities, the plan will take into account equipment failure modes and criticality, as well as the effect of failure on personnel and the environment. It highlights equipment that needs upgrade, supplies a

replacement timeline, and offers ongoing benefits like online diagnostics for replaced devices. We’ll also advise you on best practices for maintaining your new equipment.

Overall, your customized plan will lead to more predictable budgeting, decreased downtime, and a healthier life cycle for your plant.

Control Valve Diagnostic Services

Emerson’s control valve diagnostic services have been proven to significantly lower the cost of control valve maintenance. When control valve faults and calibration errors are identified early, you can focus maintenance efforts on the devices that actually need repair or tuning. You gain a plant with healthy valves and a shorter repair list during turnarounds.

Instrument Diagnostic Services

Emerson’s predictive maintenance application AMS® Suite: Intelligent Device Manager triggers alarms and alerts when instrument and valve errors occur or when pre-set parameters go out of range. Our technicians can view the alerts and train your personnel to respond to them quickly and efficiently.

375 Field Communicator Service

Handheld communicators like the 475 and 375 Field Communicator can reduce trips to the field by gathering the data you need in a single trip. Perform diagnostic tests onsite to identify cause of failure.

We will help you keep your Field Communicators up-to-date device with the latest device descriptions (DDs). Update your 475 or 375 Field Communicator through our Service Center Network quarterly, semi-annually, annually, or on demand.

Reporting and Feedback

After a service engagement, our technicians will produce a clear, prioritized plan with recommended actions for you.



Emerson can supply the technology and training so your team can implement a predictive maintenance program.

You'll have a clear understanding of your asset health and areas of potential risks. All performance and analytic data is stored in your database to ensure accurate and verifiable calibrations in the future.

When it comes to the health of your plant, leverage the power of predictive maintenance and diagnostic services.

Contact Emerson today and we'll use our years of experience to help you meet your unique needs.

*For more information or to schedule service, please call your local Emerson Process Management sales representative or the North American Response Center at **1-800-654-7768**.*

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