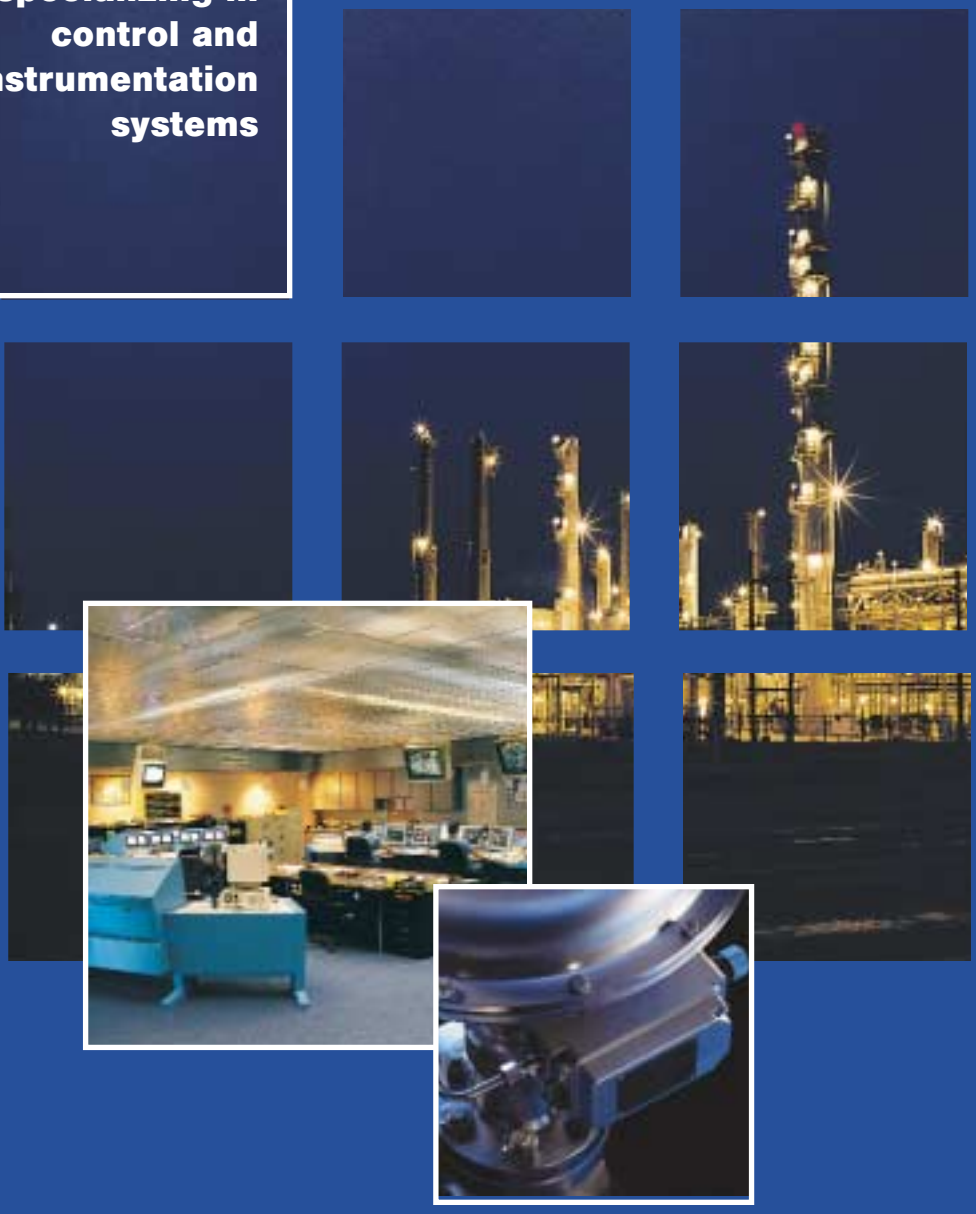
specializing in control and instrumentation systems



Industrial Instruments Inc.

Industrial Instruments Inc. specializes in control and instrumentation systems. In business since 1971, we offer a full range of design, installation and service capabilities. Our technicians are ISA-CCST qualified and factory trained to assure top quality and guaranteed results.

CALIBRATION SERVICES

- **ISO 9002 Certified—** the only certified calibration lab in the area. Our ongoing continuous quality improvement program, a result of this certification, assures consistent high-quality service.
- **NIST Traceable Calibration – ISO/IEC Guide 25 compliance—** assures our customers that our internationally recognized laboratory operations and calibrations are performed accurately and in accordance with proper procedures.
- **On-Site and In-house Service—** accommodates plant operation schedules and customer needs. On-site calibrations are complete with certifications and reports provided before leaving.
- **Comprehensive Database and Recall Notification—** minimizes or eliminates the customers need for documentation handling and calibration tracking.
- **Complete Capabilities—** provides one stop for all your calibration needs. **Electronics**-multimeters, oscilloscopes, power supplies, test equipment. **Physical**-temperature/humidity devices, pressure/vacuum gauges, process control equipment. **Dimensional**-calipers, height gauges, micrometers, surface plates. **RF and microwave equipment**-calibration and repair spectrum, parameter, network and communications analyzers, power meters.

CONTROL SYSTEMS

- **Design—** control and operating systems for industrial, municipal and commercial applications. Drawings, O & M manuals and PLC programming are included as required.
- **Assembly—** complete with panel fabrication, instrument and control installation, wiring and terminations.
- **Installation—** on-site for the system and instruments. Electrical work is performed by a licensed Master Electrician.
- **Start Up—** check out and commissioning of the system before turning over to the end user. We have ISA Certified Control Systems Technicians (CCST) for this function. Final programming of the controllers is made to verify correct operation.
- **Maintenance—** a contract can be set up for periodic, preventative or call out maintenance as required. The same technicians that installed and started up the system will do the maintenance. This ensures the highest level of reliability.
- **Total Solution Provider—** all or any of the above services can be supplied for control system expansion and integration projects. We provide a single point of contact for the project which simplifies communication and responsibilities for the customer.

INSTRUMENT MAINTENANCE

- **Complete Instrument Service—** includes troubleshooting, repair, installation, configuration and setup. This one-contact service is simple, reliable and saves money.
- **On-site or In-house—** minimizes or eliminates plant down time. Surplus or redundant instruments can be serviced in our shop. All work is done to OEM standards.
- **Foxboro Authorized Service—** ensures factory trained technicians provide service that meets OEM high standards. Customer warranties are maintained.

CONTROL VALVE SERVICE

- **Repair—** control valves are repaired to OEM factory standards. Valves function like new and are warranted like new. Our extensive control valve knowledge and ability to rebuild parts often enables us to repair valves more cost effectively than an end user can.
- **Application Engineering Upgrades—** most shops repair valves in kind. But with our many years of control valve applications experience, we will make recommendations for valve design and piping confirguration to improve the valve's performance and life.
- **Performance Diagnostics—** we provide state of the art control valve diagnostics testing. A valve can be tested in line to troubleshoot problems and isolate causes. Often the problems can be corrected and the valve returned to service without the cost of removing it from the line. Valves can be tested prior to an outage to determine if they need repair. Substantial cost savings can be made by not removing unnecessary valves for repair.
- **Asset Management—** a proactive plan of predictive maintenance can be designed and implemented. Database tools are used to track valve maintenance records and repair histories. Combined with diagnostic tools, trends and performance can be monitored so condition-based maintenance can be performed. Life cycle costs are reduced. Reliability and performance are improved while minimizing unscheduled shutdowns.

FOXBORO®
Authorized Service

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