



SERVICES

- *Control Systems*
- *Valve Automation*
- *Instrument Specification*
- *Heat Trace System Design*
- *Panel Design*
- *Gas Systems Field Services*

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ENGINEERED SOLUTIONS

Comprehensive suite of engineered solutions tailored to your needs through a wide range of services. From cutting-edge panel design, valve automation, instrument shop services, to expert heat trace design and custom hardware solutions, we have you covered.

Valve Automation Services

With more than 60 years of expertise, Kele Industrial Automation has earned a reputation for quality and reliability, committed to delivering precise control for processes across sectors such as chemical, pharmaceutical, oil and gas, power generation, and water treatment.

- Custom hardware design
- Brand agnostic valve assembly capabilities
- Factory trained technicians

Stocked for Quick Turnaround

Our facility is stocked with a range of valves and components for different types of assemblies, so we can provide rapid turnaround times to meet your urgent needs.

Our inventory is carefully curated to ensure a wide selection of components on hand for quick and efficient customization and delivery of valve automation solutions.



- Functional testing
- Electric and pneumatic actuation
- Performance optimization
- Valve assemblies
- Start-ups and commissioning
- Custom hardware design
- Installation
- Panel design

Instrument Specification

Instrument Configuration

Whether you prefer to use HART, DE, or Foundation Fieldbus communications, our team can configure instruments to your specifications, ensuring your systems are perfectly tuned and connected.

Diaphragm Seal Assembly-Filling

Our large inventory of diaphragm seal parts allows our factory-trained technicians to custom build an instrument assembly and fill virtually any seal type to meet your specific needs.

- Differential pressure and gauge pressure transmitters
- Gauges and switches in stock
- Seals: flush flange, flanged offline, chemical tee, pancake, sanitary, inline, saddle, button and mini-seals, threaded, or all-welded
- Cooling elements, capillaries, and wall mounting brackets as needed for your application and environment

Panel Design Services



Expertly Designed and Built Panels

The Kele Industrial panel team pays meticulous attention to the functional requirements design of your custom panel, the quality of each component selected, and industry standard wiring practices as we build your panel.

Panels are available in a variety of enclosure sizes and materials, with the instrumentation you need — from simple power, digital indicators, or data acquisition to advanced burner control systems and industrial internet systems — and ship to you complete with drawings and diagrams.

Each panel that leaves our facility is designed and built to UL508A standards, and has been factory acceptance tested (FAT) for quality assurance, so you know it's ready for your application on arrival.

CONTROL SYSTEMS

Get the engineering help you need with process and system modernizations, upgrades, and migrations using DCS, PLCs, RTUs, SCADA and more. We specialize in seamless integration of cutting-edge technologies, optimizing industrial processes and ensuring safety.

Central Utilities Plant

Boiler Controls

Get comprehensive boiler combustion control systems, ranging from precise single-point positioning to fully metered-cross limited control. Our offerings include:

- Boiler plant master
- Boiler feedpump control
- Boiler flame safety
- Oxygen trim
- Boiler combustion control
- Drum level
- DA and condensate control
- Draft control

Our custom intuitive Human-Machine Interface (HMI) consolidates burner management with first-out annunciation, providing a unified control center. Each system is seamlessly integrated for effortless operation and troubleshooting.

We also offer control of the balance of the plant, including crucial elements such as DA level and pressure, steam header pressure, and sequencing of boiler feedwater pumps.

Chiller Controls

- Chiller plant master
- Chilled water control
- Chiller and cooling tower staging
- Chiller and condenser pump staging

Operating more chillers than necessary to maintain space temperature conditions is an issue for all plant operators. We can provide a fully integrated system to stage and sequence chillers based on real-time chilled water demand, optimizing performance. Our team can also calculate and manage cooling tower, chilled water, and condenser pump requirements and stage them accordingly to ensure efficiency at every step.

Process Controls



Tailored solutions for precise control, repeatability, and ease of operation in industrial processes, including:

- Continuous process control
- Batch control
- Water and waste water
- Fire and hazardous gas monitoring
- Tank management and level control
- Vacuum presses

Heat Management Systems

- Electric heat trace
- Engineering and design
- Isometrics
- Control, monitoring, and sensing

Process Heat Controls

- Kiln control
- Furnace control
- Dryer control
- Dow therm safety and control
- Lube oil and fuel oil heating

Control System Services

Heat Trace Audits

These audits provide detailed reports on the condition of your electric heat tracing systems, which can help maintain your system to ensure trouble-free operation and avoid major upgrades later.

Boiler Optimization and Tuning

We have been tuning boilers for over 50 years. Our combustion technicians have extensive training and experience in combustion controls. They are available to ensure our clients' boilers and furnaces are operating safely and efficiently.

Kele Industrial Automation boiler control services are focused on burner management and combustion control systems. Our team continues to innovate with safety in mind by providing systems on boilers from 100 HP to 80,000 PPH, firing natural gas, fuel oil or coal.

Our experience includes:

- Burner management systems
- Fully metered cross limited systems
- Parallel systems
- Jackshaft systems



FIELD SERVICES

Kele Industrial Automation offers field service and technical support including emergency repairs and operator training. With more than 50 years of experience in process and combustion controls, we have the expertise to provide you with unrivaled customer service.

Maintenance

24/7/365 Emergency Service

Get 24-hour service and support by phone, virtual appointment, or in person. Our technicians are available for emergency assistance, and our extensive inventory allows them to replace damaged products quickly, minimizing downtime.

Troubleshooting and Remote Support

Address any technical issues you encounter quickly, conveniently, and efficiently with remote phone or video support and troubleshooting.

Service Contracts

Routine maintenance performed under service contracts keeps systems operating at maximum efficiency and often prevents shutdowns. Service contracts guarantee priority response, keeping emergency downtime to a minimum.

Installation and Configuration

Commissioning and Startup Services

Customizable services to suit your specific business needs:

- Verification of control loop wiring with comprehensive documentation
- Programming and calibration of field instrumentation, including pressure, level, and flow transmitters
- Integration of analytical instruments
- VFD programming and start-up
- Implementation of HART Systems
- Troubleshooting and upgrading of existing systems
- Training sessions for operators and end users

Instrument Calibration

- On-site testing and calibration for your critical instruments
- Complete record of the calibration for future reference
- Trained technicians
- Certified calibration equipment

Please note: On-site services may require additional fees for time and travel.

Safety and Training

On-site and Remote Training

Through our exclusive partnerships with leading manufacturers, our technicians are factory trained in the latest products, technology, and best practices. As a result, we can train our clients' staff so their facilities can operate at maximum efficiency. We offer both on-site and remote location training in the following areas:

- **Product Training** – Train plant personnel in the set-up and operation of specialized instruments and products.
- **Operator Training** – Train personnel in the safe and efficient operation of combustion and process systems.

Safety Inspections and NFPA Audits

Combustion equipment is the backbone of many industrial processes, but it also poses significant risks if not properly maintained and monitored.

Our expert team conducts meticulous inspections and assessments to identify potential hazards, ensuring your systems comply with NFPA safety standards and regulations.

Gas Systems Maintenance

When we asked customers about their biggest issues with field-installed gas detection systems, these answers came up over and over again:

- Too many false alarms (or no alarms at all)
- No time for routine testing and calibration
- Lack of training or experience maintaining gas detection sensors, transmitters, controllers, and alarms

That's where we can help. Whether it's periodic calibration of gas detection sensors or confirming alarm functions, our team of technicians is ready to support your plant safety initiatives.

Routine Sensor Calibrations

Regular calibration is the easiest way to ensure worker confidence in your gas detection systems. Field Service technicians will come to your plant on a scheduled basis for:

- Electrochemical cells and catalytic bead sensor calibration
- Zero calibration and annual bump tests on infrared sensors
- Response checks on open path sensors and paper tape toxic gas detector cartridges

Our calibration technicians follow manufacturer's specifications, and document the full scope of work. Every visit, you'll get full documentation of the calibration results, so if there's ever an issue, you have the reports to prove that your plant safety systems are being properly serviced and maintained.

System Functional Tests

Knowing that your gas sensors are working properly is half the battle. Functional tests help you ensure that the sensor outputs work as expected: sounding alarms, turning on lamps, sending signals to your PLC, or notifying the local fire department.

After reviewing your cause and effect matrix, a Field Service technician will run functional tests to make sure the whole system is working as expected.