

[illegible][illegible]

# Industry Leading Partners...

## Instrumentation

### FLOW

Coriolis, Magnetic, Ultrasonic, Vortex, DP, Thermal Mass, Variable Area, Non-contact Radar, Open Channel, Insertion Magnetic, Flare Gas, Custody Transfer, Bulk Material Conveyor Belt, Sight Flow Indicators

### LEVEL

Transmitters, Capacitance, Radar, TDR, Ultrasonic, Microwave, Mechanical, Radiometric, Pressure, Switches, Vibration, Capacitance, Conductivity, External Cage, Displacer, Tuning Fork, Boiler Level Gauges, Magnetic, Prismatic, Flat Glass, Water Columns, Remote Indicators, Sight Windows

### PRESSURE

Transmitters, Gauges, Transducers, Switches, DP, Gauge, Level, Hydrostatic, Remote Seal

### TEMPERATURE

Transmitters, Switches, Gauges, RTD's, Thermocouples, Thermowells

### DATA ACQUISITION

Cloud-Based IIoT, 900Mhz, Cellular LTE, Wireless HART, Auto Dialers, Recorders, Data Loggers, Remote I/O

### SIGNAL CONDITIONERS

Isolators, Converters, Splitters, Alarm Trips, Indicators, HART Gateways, Monitors and Interfaces

### GAS AND FLAME DETECTION

Combustible, Toxic & Oxygen, UV, UV/IR, Multi-spectrum IR

### WEIGHING SOLUTIONS

PLC Modules, Weight Processors, Load Cells, Bench Scales, Floor Scales, Belt Scales, Weigh Belt Feeders



Endress+Hauser



Measurement • Automation • Productivity



JACOBY+TARBOX



## Actuators

### LIQUID

pH, ORP, pION, DO, Conductivity, Chlorine, Turbidity, Silica, Phosphate, Nitrate, Aluminum, Ammonium, Chromate, Iron, Nitrite, Orthophosphate, Total Phosphorous, Hardness, Silica, Hydrazine, Sodium, TOC, Raman Spectroscopy, SAC, COD

### GAS

CO Emissions, Carbon Dioxide, Hydrogen Sulfide, Acetylene, Oxygen, Ammonia, Raman Spectroscopy, CEMS, FID Hydrocarbon, Multi-Component

### MOISTURE

Tunable diode laser absorption spectroscopy (TDLAS)

### SOLIDS

Raman Spectroscopy

Endress+Hauser 

People for Process Automation



**analytikjena**  
An Endress+Hauser Company

## Actuators

### ELECTRIC

Multi-turn, Quarter-turn, Linear

### PNEUMATIC

Rack & Pinon, Scotch Yoke, Damper Drive

### GEARBOXES

Multi-turn, Quarter-turn

**auma**<sup>®</sup>  
Solutions for a world in motion

**AT Controls, Inc.**

## Valves

### AIR VALVES

Air Release, Air/Vacuum, Combination, Surge Suppression, Vacuum Breaker, Well Service, Vacuum Priming

### CHECK VALVES

Tilting Disc, Ball Check, Wager, Piston Lift, Silent

### CONTROL VALVES

Severe Service DRAG Control Valves, General Service Control Valves, Globe, Rotary Globe, Cage-Guided, Sanitary, Pressure Regulators, Back Pressure Regulators, Variable Orifice

### FITTINGS

Tube, Pipe, 37 Degree Flare JIC, DIN 2353, Weld, ZCO O-Ring Face, Cone & Thread

### GATE VALVES

Knife, Wedge, Parallel Slide, Variable Orifice, Isolation

### QUARTER TURN VALVES

Ball Valves, Butterfly Valves, Plug Valves, Trunnion

**IMI**

**VAL'MATIC**<sup>®</sup>

**cashco**

**Slurryflo**  
Control Valves

**VALVTECHNOLOGIES**

**Oreacle**  
ISOLATION VALVES

**FLSMIDTH**

**AT Controls, Inc.**

**ORBINOX**  
VALVE SOLUTIONS IN MORE THAN 75 COUNTRIES

**Hy-Lok**  
Always Connected

**ADAMS**

## Material handling

### Abrasion Resistant Products

Cast Basalt & Alumina Ceramic Tiles, Cast Basalt & Alumina Ceramic Pipe, Fittings and Tiles, Trowel able Ceramic Compounds

### Scales and Feeders

Belt Scales, Volumetric, Gravimetric & Weigh Belt Feeders, Control Gates, Processors, Bulk Bag Unloaders, Powder-to-Liquid Mixers & Custom Products

**CBP**  
ENGINEERING CORP  
ENERGY DIVISION

**TECWEIGH**  
Technics Industries, Inc.

## Process Equipment & Filtration

### H2 COOLED GENERATOR AUXILIARIES

Hydrogen Dryer and Automated CO2 Purge Package that can automate the degassing of your generator and speed the purge process to under 1 hour.

### FILTRATION

Water Treatment Systems, Deaerators, Cooling Towers, Brine Treatment, Oil Removal. Filter Cartridges, Bag Filters Filter Housings, Parts, Retrofits

### SEPARATORS

Vane, Multi-Cyclone, Centrifugal, Filter

**solventum**

**MARMON**  
**Holdings, Inc.**  
A Berkshire Hathaway Company

**LECTRODRYER**



# SERVICE +



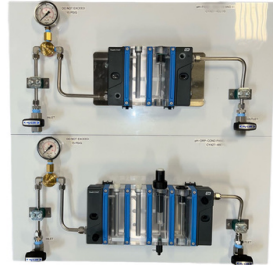
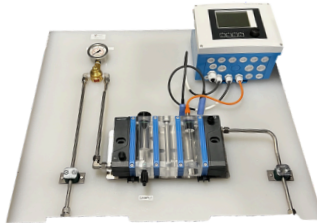
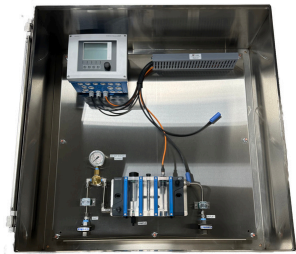
## GENERAL SERVICE

- Service for several brands of instruments
- NIST/ISO 17025 Traceable Calibration
- Certificates of calibration issued for traceability
- Setup & Troubleshooting
- Site audits for process automation enhancements
- Gas detection
- Sensor calibration
- Turnaround & Shutdown services
- Valve automation
- Flow meter verification

## VALVE AUTOMATION

- All assemblies functionally tested before shipment
- Assembly drawings, actuator sizing proofs and data sheets are available upon requests
- Automation assemblers on staff
- Ability to assemble valve systems from 1/2"- 48"
- Valve rebuilds and refurbishments

# SOLUTIONS



## HOW IT WORKS:

As your process solutions partner, managing project complexity is our forte. IAC provides solutions that allow us to leverage industry expertise, customize our services, and ensure compliance and safety. We deliver customers innovative and cost-effective results.

## PANEL FABRICATION

- CAD Drawings
- Customized Water Analysis Panel
  - SWAS
  - Drinking Water
  - Industrial & Process Wastewater
- Flow Monitoring & Control Panels
- Chemical Dosing & Metering Panels





## **>> Instrument Training Unit**

### **WHY IAC TECH?**

IAC Tech is committed to fostering a culture of continuous learning and professional development. Empowering technicians to drive innovation and success within the process industries. Join us today and unlock your potential!



All quality control staff, new hires, and existing technicians



100% hands-on application learning using our inhouse instrument training unit



Comprehensive and swift courses. Obtain an PDH IAC TECH certificate upon completion

**Contact for registration: [IACTECH@instandcontrols.com](mailto:IACTECH@instandcontrols.com)**

## BASIC INSTRUMENT TRAINING

Participants will learn the fundamentals of measurement, control loops, sensors, and transducers. Emphasis is placed on understanding various types of instruments, their applications, and the principles behind their operation.

## LEVEL

Participants will explore different methods of level measurement, including direct and indirect measurement techniques. Emphasis is placed on understanding the operating principles, advantages, limitations, and applications of different level measurement technologies.

## FLOW

Participants will delve into principles of flow measurement, including various types of flow devices, their applications, advantages, and limitations. Emphasis is placed on understanding the factors influencing flow measurement accuracy, such as fluid, piping configurations and installation considerations.

## ANALYTICAL

Participants will delve into the principles and applications of various analytical techniques. Emphasis is placed on understanding the underlying principles of techniques, as well as practical considerations such as preparation, calibration and data interpretation.

## PRESSURE & TEMPERATURE

Participants will explore the principles of pressure and temperature measurement, including the behavior of gases and liquids under varying conditions. Emphasis is placed on understanding the operating principles, advantages, limitations and applications of different pressure and temperature measurement technologies, such as pressure gauges, pressure transmitters, thermocouples, RTD.

## LOAD CELLS & WEIGHT EQUIPMENT

Throughout the course, participants will explore fundamentals of load cell technology including load cell types and operating principles. Emphasis is placed on understanding the factors influencing accurate weight measurement, such as environmental conditions, mounting considerations and calibration procedures

## CONTROL VALVES & ACTUATION

Participants will explore fundamentals of load cell technology including load cell types and operating principles. Emphasis is placed on understanding the factors influencing accurate weight measurement, such as environmental conditions, mounting considerations and calibration procedures

## CUSTOM CLASSES

Our expert instructors will develop a curriculum tailored to your organization's requirements. Reach out to [IACTECH@instandcontrols.com](mailto:IACTECH@instandcontrols.com) or call 480- 921-0498 for more information.

## GAS DETECTION

Participants will explore the fundamentals of gas detection, including the properties of different gases, gas detection principles, sensor technologies and detection system configurations. Emphasis is placed on understanding the importance of gas detection in ensuring workplace safety and environmental protection.

# Ready to ship inventory

Endress+Hauser 

 solventum

 VALVTECHNOLOGIES

 ASHCROFT®

 Hy-Lok

 VAL-MATIC®

## Outside Sales

**Ryan Christie M.E. - Sales Manager**

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