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CORPORATE COMPANY PROFILE

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About Us

American Techno Controls (ATC)

A Commitment to Excellence in Engineering and Maintenance

Founded in the heart of the United States, American Techno Controls, affectionately known as ATC, has emerged as a prominent player in the global landscape of Engineering, Procurement, and Commissioning. With a deep-seated commitment to excellence, innovation, and sustainability, ATC has set new standards in the fields of electrical engineering, instrumentation, and mechanical maintenance.



Our Global Reach:

ATC's influence extends far beyond its American roots. While our headquarters are based in the USA, our impact spans the globe. We've strategically positioned ourselves with affiliate branches in key international locations, including Saudi Arabia, United Arab Emirates, Poland, and United Kingdom. This global presence not only showcases our dedication to serving diverse markets but also highlights our adaptability and capacity to meet the unique needs of clients worldwide.



Mission & Vision

Vision Statement:

"To be a global leader in engineering excellence, setting the benchmark for innovation and reliability in the fields of electrical engineering, instrumentation, and mechanical maintenance, while contributing to sustainable development and enhancing the well-being of our communities."

Mission Statement:

At American Techno Controls, our mission is to provide top-tier engineering, procurement, and commissioning services to our clients worldwide. We are committed to delivering cutting-edge solutions and maintaining the highest standards of quality, safety, and sustainability. We strive to empower our teams, foster innovation, and build enduring partnerships, creating value for all stakeholders.

Leaders in Electrical Engineering and Instrumentation:

Our journey to success has been paved by our unwavering commitment to being leaders in the electrical engineering and instrumentation sectors. As leading vendors of major principles, we cater to a wide range of industries, including Oil & Gas, Power & Water, Mining, Infrastructure, and Marine. We offer comprehensive solutions in high and medium voltage electrical engineering equipment, ensuring the seamless operation of critical systems for our clients.

Our Core Values:

ATC's foundation is built upon a set of core values that guide us in every endeavor:

Excellence

We strive for excellence in all that we do, setting the highest benchmarks for quality and performance.

Innovation

Our commitment to innovation drives us to continuously seek new and improved solutions to industry challenges.

Safety

The well-being of our employees, clients, and the environment is a non-negotiable priority in all our operations.

Sustainability:

We are dedicated to sustainable practices that minimize our environmental footprint and contribute positively to the communities we serve.

Integrity

We uphold unwavering ethical standards, fostering trust, transparency, and enduring relationships.



FOUR SPECIALIZED DIVISIONS:

1. Power & Electrical Maintenance Division:

- This division is dedicated to the provision and service of transformers, substations, and plant electrical maintenance services.
- We take pride in our ability to deliver state-of-the-art equipment and maintenance solutions, ensuring that our clients' operations remain efficient, reliable, and safe.

Testing, commissioning, and maintenance of a power substation are critical processes to ensure the reliable and safe operation of the substation equipment and the overall power distribution system.

Here's an overview of the services we offer:

Testing

Pre-Commissioning Tests: Before the substation is energized, a series of pre-commissioning tests are performed to verify that all equipment has been installed correctly and is ready for operation. These tests may include insulation resistance tests, continuity checks, and visual inspections.

Functional Testing: Functional tests ensure that individual components and systems within the substation are working as intended. This involves checking circuit breakers, relays, transformers, and other equipment to ensure they operate correctly under various conditions.

Protection Relay Testing: Protection relays are crucial for the safety of the substation and the power grid. Testing involves verifying that they correctly detect faults and initiate protective actions.

Instrumentation and Control Testing: : Ensure that all instruments and control systems are calibrated and functioning correctly. This includes testing SCADA (Supervisory Control and Data Acquisition) systems.

Load Testing: Apply load to the substation to ensure that it can handle the expected electrical demand. This test helps identify any issues with voltage regulation and transformer loading.

Commissioning

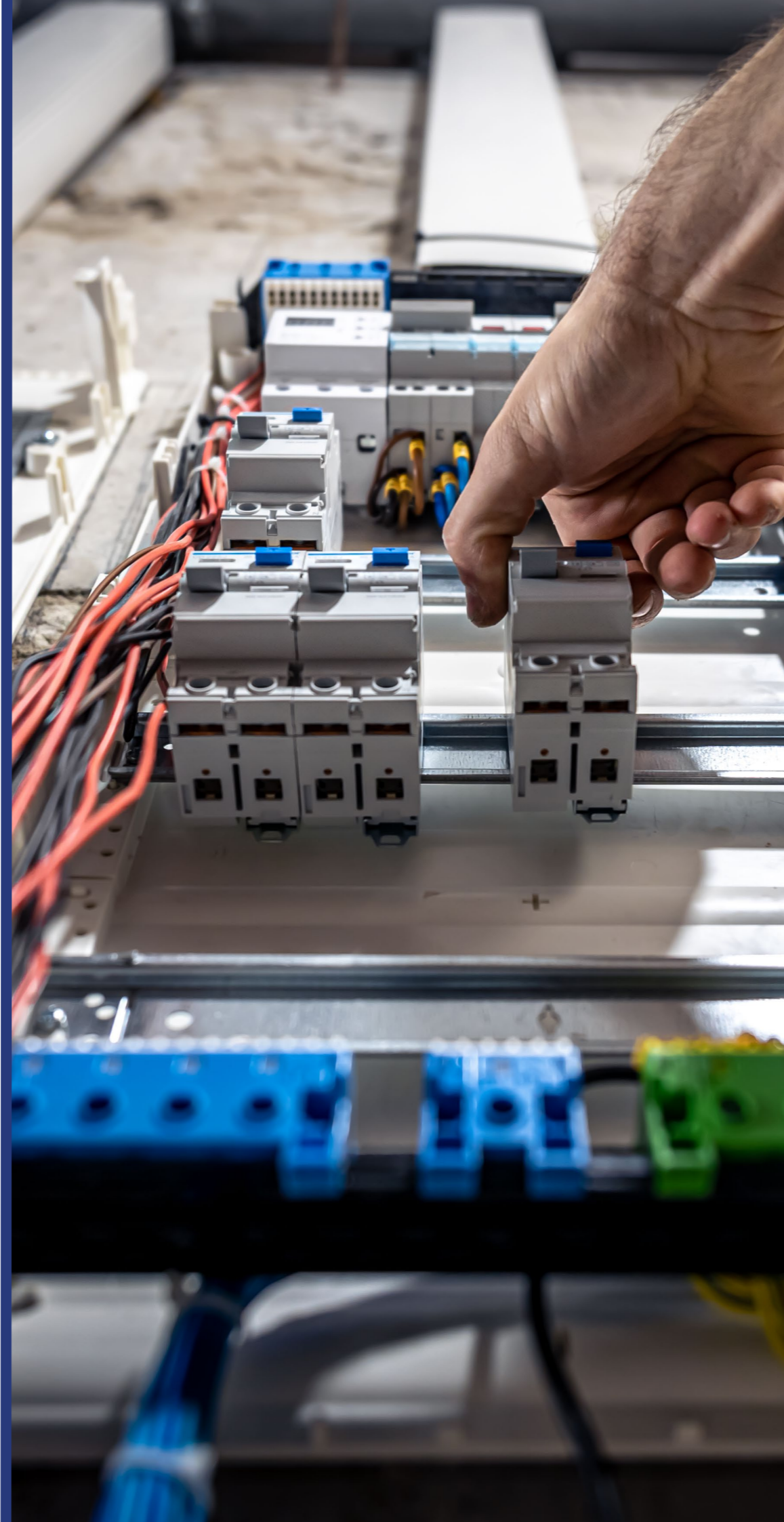
Energization: Once all tests are successfully completed, the substation is energized. This is a critical step and should be done following strict safety procedures to prevent accidents.

Functional Commissioning: After energization, a more comprehensive functional commissioning is performed. This includes testing the substation's response to various operating conditions, such as load changes and fault scenarios.

Relay Coordination and Settings:

Fine-tune and verify the settings of protective relays to ensure proper coordination and selective tripping during faults.

Documentation: Update and complete all documentation related to the substation, including drawings, manuals, and as-built records.



Maintenance

Routine Maintenance: Regularly scheduled maintenance includes activities like cleaning, lubricating, and inspecting equipment. This helps prevent dust and debris accumulation and ensures equipment longevity.

Predictive Maintenance: Use monitoring equipment (e.g., infrared thermography, vibration analysis) to predict and address potential issues before they lead to equipment failure.

Transformer Oil Analysis: Periodic analysis of transformer oil can identify issues such as over heating or contamination. Oil may need to be replaced or purified.

Circuit Breaker Maintenance: Circuit breakers should be inspected and tested regularly to ensure they can interrupt fault currents when needed.

Substation Grounding Maintenance: Maintain the integrity of the substation's grounding system to ensure safety and proper fault current dissipation.

Control and Protection System Maintenance: Keep control systems, SCADA, and protection systems up-to-date and ensure that software and firmware are patched and functioning correctly.

Training and Competency: Ensure that personnel involved in maintenance have the necessary training and competence to perform their tasks safely and effectively.

Our Exclusive Distribution



**PIFFNER
MOSER GLASER
ALPHA-ET
HAEFELY
HAVECO**



**Voltage
Transformer EGK
(72-170) kV**



**Inductive Voltage
Transformer EGF**



**Inductive
Combined
Transformer EJGF**



**Inductive Current
Transformer JGF**



Medium Voltage



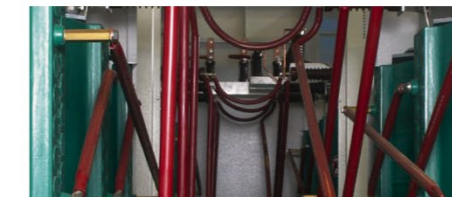
Power Transformers



Low Voltage



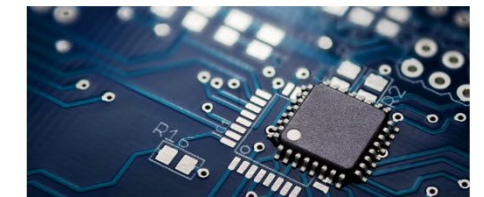
Cast Resin Parts Duromer



SIS Bus Bar System



Electronics and Sensors



MOSER GLASER



Wall Bushings



2. Transformer Oil treatment And Regeneration

This division holds the exclusive distribution rights for Ekofluid, a renowned manufacturing and servicing company that specializes in cutting-edge oil treatment and regeneration equipment. With a commitment to enhancing the efficiency and sustainability of oil management practices, this division offers innovative solutions to industries across the region.



Transformer oil treatment equipment



Transformer oil purification equipment



Transformer oil regeneration equipment



One of the crown jewels in [Ekofluid's portfolio](#) is its oil regeneration equipment with sorbent reactivation capability. These cutting-edge machines could breathe new life into used and contaminated oils, extending their lifespan and reducing the need for disposal.

[Ekofluid's Oil](#) regeneration plants are modular in design, featuring a variable number of columns to house the regeneration sorbent. This adaptability ensures that the equipment can be customized to meet the specific needs of each client.

[Ekofluid](#) also offers coalescer-based oil treatment plants designed for maximum efficiency. These plants are available in various oil flow ranges, catering to a wide spectrum of industrial requirements, from 1500 liters per hour up to an impressive 12,000 liters per hour. The secret behind their exceptional performance lies in the highly efficient coalescer technology integrated into the equipment, achieving unmatched dehydration and degasification results.



3. Condition Monitoring and Industrial Maintenance Division:

- The Condition Monitoring and Mechanical Maintenance Division specializes in predictive maintenance solutions for rotating equipment and mechanical systems.

We harness cutting-edge technologies to minimize downtime and optimize machinery performance, ultimately contributing to the profitability and longevity of our clients' assets.

Our aim at ATC's Condition Monitoring and Industrial Maintenance Division is to empower businesses with the tools and expertise needed to enhance equipment reliability, minimize downtime, and maximize operational efficiency. Through the application of advanced technologies and industry-leading practices, we aim to be a trusted partner in ensuring the seamless functioning of critical machinery.



Services

1. Vibration Analysis:

Our expert team employs state-of-the-art equipment and software to analyze vibration patterns in rotating machinery. This enables us to identify early signs of wear, misalignment, and imbalance, helping clients proactively address potential issues before they escalate.

2. Balancing:

Precise balance is essential for optimal performance and longevity of equipment. We offer dynamic balancing services that ensure your rotating machinery operates smoothly and efficiently, reducing wear and tear while improving overall performance.

3. Alignment:

Proper alignment is fundamental for preventing excessive wear, reducing energy consumption, and extending equipment lifespan. Our alignment services utilize advanced laser technology to achieve accurate alignment, enhancing reliability and minimizing maintenance costs.

4. Thermography:

Our infrared thermography services provide non-intrusive insights into the temperature distribution of equipment. This helps detect hotspots, electrical anomalies, and potential failure points, enabling timely interventions to prevent breakdowns.

5. Ultrasound:

Ultrasound technology allows us to detect issues like leaks, friction, and electrical faults in machinery by analyzing ultrasonic frequencies. This proactive approach aids in identifying problems early and avoiding costly downtime.

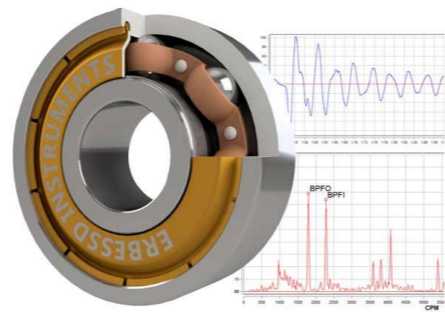
6. Motion magnification technology:

Motion magnification technology in vibration analysis involves amplifying subtle movements or vibrations in an object or surface to make them more visible and easier to analyze. It's a technique used to enhance the visualization of motion that is not easily discernible to the naked eye.

7. Remote condition monitoring:

Remote condition monitoring (RCM) is a process that involves collecting and analyzing real-time data from assets or systems located at a remote location. The objective is to monitor the condition, performance, and health of these assets in order to identify potential issues or faults early on, allowing for proactive maintenance and minimizing downtime.

Our Exclusive Brands



4. Industrial Procurement Division:

- The Industrial Procurement Division focuses on the procurement of industrial power generation equipment, pumps, valves, flow controls, flow instrumentation, and testing and calibration equipment.
- We leverage our extensive network and procurement expertise to source the highest quality products, ensuring that our clients have access to the essential components required to drive their industrial processes efficiently and effectively.

Power Generation

Power stations collectively are the largest suppliers of electricity. ATC provide the Utilities, Petrochemical, Pipeline and Drive System Industries an alternate source for gas and steam turbine controls, generator controls and Drive System Controls like:

Our major offerings are:

- Arresters
- Breakers
- Capacitors
- Cutouts and Switches Instrument
- Transformers Medium Voltage
- Switchgears Oil & Dry
- Transformers Protection Relays
- Complete electrical product range
- Cable Management
- Electrical Automation Systems
- Electrical Junction Boxes
- Emergency Communications
- Energy Automation Fittings/Cable
- Glands
- Fuses (or Fusing Protection)
- Industrial Ethernet Industrial
- Security Industrial Wireless
- Instrument Junction Boxes
- Instrumentation Protection
- Lighting-Commercial, Complex, Hazardous
- Process Alarm Equipment
- Meter Mountings
- Switches
- Regulators



Oil & Gas

AMERICAN TECHNO CONTROLS INC (ATC) is a well-resourced and full-service oilfield supply company serving the Oil, Gas and Petrochemical Projects and Industry.

Major supply from ATC includes Line Pipes, Valves, Pumps, and parts. We are a diversified Oilfield supply company providing a complete range of equipment's, parts, accessories and services for Oil and Gas related projects. We strive for excellence and total customer satisfaction. Our team works with the clients on their specific project requirements and equipment specifications..

Pipes, Pumps and Valves

Actuators Hoses and Fluid Handling

Pumps, Parts and Accessories

OCTG - Casing, Tubing, Drill Pipe

Pipe Fittings and Flanges Pipe and

Tubular Products.

Drilling

Oilfield Drilling Chemicals and
Muds Oil field Drilling Equipment

Onshore Land Drilling Rigs

Offshore Oil field Drilling Rigs

Equipment & Instrumentation

Automation and Control

Flow Instrumentation and

Tools Laboratory Equipment

Marine and Subsea Equipment

Measuring Instruments Offshore

Instrumentation Process and

Control Equipment

Wire line & Down hole Instruments

Project Support and Services

Commercial Project Supplies

Gas & Oil Drilling Services

 **AMERICAN TECHNO CONTROLS INC,**

BRANDS WE DEAL



Industrial batteries & chargers:



Processing instruments



Fluid, oil, grease:



Automation, process, measurements & instrumentation:



Gas detection system and spare parts:



Testing, calibration, inspection equipments



MAJOR CLIENTS AND PROJECTS (SAUDI ARABIA & MIDDLE EAST)

S.NO	PROJECT	PROJECT OWNER	Client	REMARKS
1	Supply and Installation of 33KV Transformers – Rade Koncar Co.	Saudi Electric Co	Abdullah Fouad & Co.	Completed
2	Supply of Electric Bushing - Ankara Ceramic	Saudi Electric Co	Saudi Electric Co	Completed
3	Supply of Breather & Safety Valves	Chemanol Co	Chemanol Co	Completed
4	Supply of Control Transformer	Chemanol Co	Chemanol Co	Completed
5	Supply and Installation of ABB Air Compressors – Made in Sweden	Saudi Electric Co	Saudi Electric Co	Completed
6	Supply of Transducer - Yokogawa	Chemanol Co	Chemanol Co	Completed
7	Supply Installation Testing and commissioning of Air Compressors of ABB and Webco.	Saudi Electric Co	Saudi Electric Co	Completed
8	Engineering, Supply and Installation of Switch Disconnects, SDTEM Made in France.	Saudi Electric Co	Abdullah Fouad & Co.	Under progress
9	Supply and Installation of Motor Drive for ABB CB Mechanism -Sweden	Saudi Electric Co	Saudi Electric Co	Completed
10	Supply of Bodge Compressors Germany	Saudi Electric Co	Saudi Electric Co	Completed
11	Supply and Installation of Current Transformers – MFR: Ritz Germany	Saudi Electric Co	Saudi Electric Co	Completed
12	Supply of Potential Transformer 110KV	Saudi Electric Co		Completed
13	Supply of Industrial Servers – Edge Devices from Sintrones - Singapore	Saudi Aramco	Leap Network - Singapore	Completed
14	Supply and Installation of Motor Drive for ABB CB Mechanism - Sweden	Saudi Electric Co	Saudi Electric Co	Under progress
15	Supply and Installation of LAN Switches – Advatech Co, Made in USA	Saudi Aramco	Leap Network - Singapore	Completed
16	Supply of Over Current Electrical Relays – From Schneider Made in France	Saudi Electric Co	Saudi Electric Co	Completed
17	Supply of Electrical Motors.	Saudi Electric Co	Saudi Electric Co	Completed
18	Supply & Installation of VAR Meters – CEWE Made in UK	Saudi Electric Co	Saudi Electric Co	Under progress
19	Engineering, Supply and Installation of Switch Disconnects, SDTEM Made in France.	Saudi Electric Co	Saudi Electric Co	Under progress
20	Supply of Current Transmitters – CEWE Made in United Kingdom.	Saudi Electric Co	Saudi Electric Co	Completed
21	Supply of Valve Butterfly - MFR ABB	Saudi Electric Co	Saudi Electric Co	Completed
22	Engineering, Supply Installation Testing and Commissioning of Wall Bushings – MFR: MGC – Made in Switzerland	Saudi Electric Co	Saudi Electric Co	Under progress
23	Engineering, Supply Installation Testing and Commissioning of Annunciators with Panel at various SS of Saudi Electric co.	Saudi Electric Co	Saudi Electric Co	Under progress
24	Supply and Installation of Insulators	Saudi Electric Co	Saudi Electric Co	Under progress
25	Engineering, Supply Installation Testing and Commissioning of CTs 33 & 13.8 KV at Arrar Substation, Arrar KSA	Saudi Electric Co	Saudi Electric Co	Under progress

Thank You!

As we continue our journey, guided by our vision to be a global leader in engineering excellence, ATC remains committed to creating a brighter and more sustainable future for our clients and the industries we serve. Our dedication to pushing boundaries, embracing innovation, and upholding the highest ethical standards sets us apart in our quest to make a positive and lasting impact on the world of engineering, maintenance, and industrial procurement.

Regional Branch Office

Branch of American Techno Controls

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