

INNOVATIVE

solutions for the supply, control and use of energy

Your Ultimate Power Partner





A CULTURE OF INNOVATION

TAW is a technologically comprehensive, engineering-driven company that uses imagination and technical expertise to provide customized integrated solutions for our customers' energy challenges. TAW's expertise encompasses total system solutions for rotating electrical and mechanical apparatus and the associated controls serving customers around the world in industries such as fossil, renewable and nuclear power generation, the military, homeland security, mining, steel, chemical processing, health care and water utilities to name a few. Our unique and diverse family of services offers turnkey system solutions to these industries from the first steps of engineering and design specifications, to fabrication and manufacturing, delivery and installation and maintenance and repair. With more than 95 years of experience, and locations across the southeastern United States, TAW has been able to achieve an unparalleled reputation for innovation, trust and reliability that flows through every line of our business.

WHY CHOOSE TAW?

TAW consistently seeks out and applies the latest technologies and best practices in order to provide products and services that are safer, more efficient and more reliable than those of our competitors. One of our greatest strengths is a highly skilled, trained and dedicated workforce that routinely solves increasingly complex and dynamic problems. TAW employees have an average tenure of seventeen years, an important benefit for our customers who can trust that the key individuals they work with will be here when they need them and will have an in-depth understanding of their equipment, processes and unique business needs. We take great pride in knowing that this kind of dedication and breadth of knowledge has guided TAW in our long-standing relationships with customers worldwide, and that our vision and core values remain woven into the fabric of everything we do.

› **OUR VISION:** To provide excellence in creating innovative solutions for the supply, control and use of energy

› **OUR VALUE PROPOSITION:** To deliver integrated solutions through engineering and design, world-class products and unmatched technical services delivered to customers on-site, in our service centers or through intellectual solutions and manufacturing, while taking great steps to ensure that all of our work environments and employees follow **our core values** of *safety, integrity, quality, accountability, innovation and teamwork*.

A FAMILY OF INTEGRATED SERVICES

TAW product lines and services are as diverse as the customers and industries that utilize them. TAW engineers, designers, application specialists, technicians and mechanics work in synergy to create innovative, integrated custom solutions across many different platforms. These include: power distribution equipment, power plant generators, standby generator systems, controls and automation, electric motors, switchgear, e-houses and pumps. We also apply our expertise in servicing complex equipment for the wind and nuclear power industries.

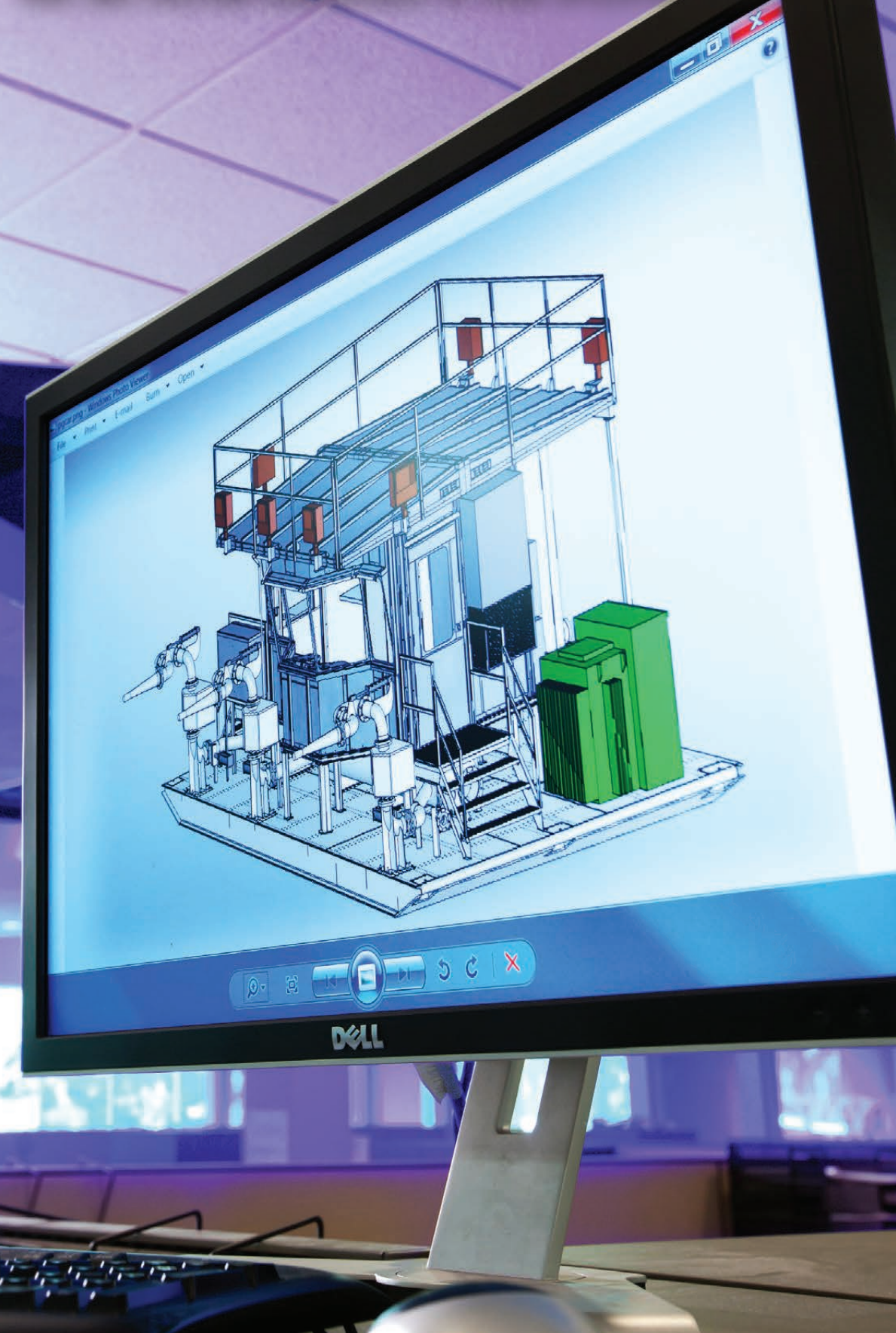
TAW is the largest independent motor repair entity in the United States. If it spins, turns or rotates, chances are we can repair it, rewind it or rebuild it better than anyone else. Throughout every department, our cross-functional teams find answers to complex engineering, electrical and mechanical challenges. We routinely rebuild pumps the size of buildings, supply our military with power and distribution systems and design custom solutions for the mining and renewable energy industries. From design and build to installation and ongoing engineering support and maintenance, TAW handles thousands of jobs of all sizes each year, making us your one-stop shop for turnkey project management.

TAW's unique combination of product and service offerings as well as unparalleled dedication to customer service make us the right choice for your job.

Opposite page: TAW engineers utilize 3D software modeling to identify conflicts and interferences prior to manufacturing.

SOLUTIONS

THAT ARE CUSTOM-ENGINEERED TO YOUR SPECIFICATIONS





RELIABILITY

THAT'S BEEN PROVEN AGAIN AND AGAIN FOR OVER 90 YEARS

POWER GENERATION

Reliability. You can see it in everything we do. Since our inception in 1921, industries have turned to TAW for repairing, rewinding and rebuilding rotating apparatus of all types and sizes. Today, our experience in power generation runs across virtually every available fuel source. We serve electric power producers that utilize everything from fossil fuels including diesel, natural and biogases, to those that harness hydro, wind and nuclear energy. TAW assists our customers with field testing, sophisticated diagnostics and machine uprates. It's just part of what has made TAW the largest independent repair facility in the United States. We service gas or steam-driven turbine synchronous generators, large slow-speed or high-speed diesel-driven synchronous generators, hydro-driven generators and wind generators. We also perform IEEE electrical and ANSI mechanical testing, rotor/stator repairs in our temperature and humidity-controlled winding rooms, and provide on-site field services of all kinds.

TRACM® is our proprietary software system developed by TAW engineers for Tracking Rotating Apparatus and Controls Management. TRACM® monitors the service and maintenance of equipment, who repaired it, when it was repaired, what control system it's running and more.

CUSTOM EQUIPMENT AND ENGINEERED SOLUTIONS

Every project is an opportunity to live our philosophy of innovation. TAW is a premier, worldwide provider of engineered solutions for control and power distribution; power equipment buildings; automation and control system integration; engine generator tanks, enclosures and trailers; and technology and tooling. Using our own customized engineering and design intellectual property or yours, our products can be designed and engineered to be smaller, lighter, more intelligent, more corrosion resistant and, if necessary, both bullet and bomb resistant. Whatever your needs are, we can design it, build to performance specs or build to drawings. From design, construction and installation to ongoing maintenance and modernization, our trained engineering and design teams provide turnkey project management and service, 24 hours a day, 7 days a week. Our product offerings include, but are not limited to: metal-clad or metal-enclosed switchgear (AC voltage ratings from 2.4 kV to 69 kV), surface mining power distribution equipment, power equipment centers, military/homeland security equipment, engine-generator packaging* and controls, and automation systems integration. Some special features of our Custom Equipment facility include ISO 9001-2015 certification, powder coat paint systems, multiple UL standards, laser cutting and robotic welding.

**State of Florida Department of Community Affairs (DCA) approved, meaning that the construction is in compliance with the Florida Building Code and meets all requirements for hurricane ratings.*

NEW EQUIPMENT SALES

Our customer relationships come first. As the largest independent distributor of motors, motor controls, variable frequency drives, pumps and rotating apparatus in the southeastern United States, we understand your industrial processes, applications requirements, equipment needs, performance expectations, budgets and timelines. Our 95 plus years of experience has given us unique insights into meeting customers' real needs and exceeding expectations. Our comprehensive support capabilities are available to our customers 24 hours per day, 7 days a week.

QUALITY

SERVICE. QUALITY PRODUCTS. QUALITY PEOPLE.

We offer application assistance, as well as start-up commissioning. Our products include, but are not limited to: AC and DC, synchronous and induction low and medium voltage motors, NEMA and above NEMA, variable frequency drives, protective devices, pumps and PD or centrifugal blowers.

MOTOR REPAIR AND FABRICATION

We can build it. We can fix it. TAW leads the industry in repairing, reconditioning, rewinding or rebuilding new and old electric motors of all sizes. We are UL® Listed for AC and DC motors, induction or synchronous, low, medium and high voltage motor repairs with nationally recognized quality control programs that exceed all industry standards. We are also one of a handful of elite companies that is **10 CFR 50 Appendix B Nuclear Safety Related Compliant**, enabling us to service safety-related and environmentally qualified motors for nuclear power plants. TAW's environmentally conscience comprehensive waste stream manifests will keep you in the clear and help keep the environment clean.

Our engineers and technicians work closely together developing redesign solutions that few in this industry can replicate. Recently, TAW built a 7,000 horsepower motor from scratch using 40-year-old schematics, recreating and fabricating parts that are no longer in production. No matter how large or small your project, our multiple, fully-equipped machine shops are dedicated to providing quality, quick turnaround times and the best value with unsurpassed ingenuity.

ON-SITE TECHNICAL FIELD SERVICE

Industries run on the power of machinery. When that heavily relied upon equipment goes down, production stops. No industry can afford to be offline. It's why more companies are turning to TAW. We provide preventive maintenance programs for stand-by power systems, switchgear, pumps, VFDs, gearboxes, fans, blowers, circuit breakers and compressors. Our predictive maintenance programs include vibration analysis and thermography to determine the condition of critical parts, as well as inspection and service of breakers, bus ducts, bearings, lubrication, alignment and balancing.

TAW's technicians are ready 24/7 to respond to the needs of our customers and to restore their critical systems back into operation. If you have service needs, you need TAW.

POWER SYSTEMS

TAW Power Systems is a comprehensive, on-site power systems provider. Our value blueprint is designed to deliver world-class Kohler® Power Systems products to our customers in the standby, prime, residential, pleasure or commercial marine, towable and rental markets. Whether fueled by diesel, LP, natural gas or biogas, we apply in-depth systems engineering reviews, easily understandable quotations and knowledgeable sales personnel. These methods are combined with a consistent customer transaction experience, reinforced with fully equipped, factory trained and technically accountable field technicians located across the southeastern states of Florida, Georgia, Alabama, Mississippi and Louisiana.

Opposite page: Testing vibration signatures, a TAW technician conducts a vibration analysis on an electric motor for a power plant cooling pump.





INDUSTRIES WE SERVE

ELECTRIC POWER UTILITIES AND RENEWABLE ENERGY

We know that all of our customers expect quality, reliability and safety. Our number one goal is to deliver on that promise. As the global demand for energy increases, so does the need for experienced engineers, to not only harness and direct that power, but to maintain the safety and viability of the equipment and personnel that they rely upon to keep it all running. TAW provides the reliability and unsurpassed service that utilities depend on to ensure seamless performance in providing power to their customers. Our goal is to get it right the first time, on time and within your budget. In addition, we are sensitive to our customers' stringent safety, quality control, documentation and reporting requirements. Whether your needs involve power generation from coal, natural gas or waste to energy, nuclear, hydro-electric, wind-driven power or other energy materials, choosing TAW ensures that you are getting the expertise of an engineering-driven company that will provide dependable solutions across multiple platforms.



NUCLEAR



TAW has been providing refurbishing/repair services for safety-related motors from U.S. nuclear plants since 1993. We have now developed and implemented a stand-alone quality assurance program that is compliant with 10 CFR 50 Appendix B/10 CFR 21 and ASME NQA-1-1994, and have successfully undergone a multi-utility audit utilizing the NUPIC Audit Checklist. TAW has the in-house ability to manufacture form coils and remanufacture safety-related motors to factory drawings. With a clean room and storage area dedicated to safety-related motor repair, an approved Quality Assurance Program, as well as accurate documentation and continuous employee training, TAW is the solution to your nuclear motor repair needs.

MISSION CRITICAL FACILITIES

Regardless of whether we are working with a Fortune Fifty mega data center or a small commercial data network, TAW is prepared, combining technical field services with power systems generator field services to maintain T-4 systems that ensure our clients will not suffer any network power interruption.



PULP AND PAPER

North American companies that have long dominated the worldwide pulp and paper industry face competition from emerging global economies. Vital to their stability and continued growth will be the ongoing uptime, efficiency and reliability of equipment and safe operations. Well known to the industry are the financial costs and environmental issues that arise if a paper machine stops. Having served pulp and paper companies for many years, TAW is a key ally, providing expertise with programmable logic controllers, variable frequency drives, maintenance of AC and DC motors and providing detailed PdMA computer analyses of electric motor efficiency.



WATER AND WASTEWATER



The environmental challenges of moving, purifying and storing massive volumes of water involve electrical, civil and mechanical engineering considerations. TAW has a long history of providing standby or prime power engine generators, generator paralleling switchgear, custom controls, pumps, blowers, VFDs, PLCs, instrumentation and system integration for pumping, monitoring and processing fresh, grey and black water. Our highly experienced engineers provide in-shop repairs of motors and pumps, and our field technicians provide periodic maintenance or emergency repairs ensuring single-source responsibility.

METALS AND MINING

While striving to maintain high safety standards and efficient operating costs, companies need rugged systems that can stand up to harsh heat, shock, dust, vibration and worse. Mining takes place in the elements 24/7. For equipment like draglines, dewatering pumps, water cannons, slurry pumping systems, conveyors, ball mills and chemical processors, TAW is the place to turn for maintenance, repair and systems analysis. TAW also designs portable power substations, medium voltage VFDs and slurry pump/motor sleds to customer specifications, providing the power necessary to run your mining equipment. From steel mills to phosphate mining, TAW has the equipment and safety expertise to keep it running, turning, rotating, pumping and powering in virtually any environment.



MILITARY, HOMELAND SECURITY AND MOBILE SERVER FARMS



TAW offers a wide range of customized power distribution and ruggedized, sound-attenuating enclosures to meet all of the remote power needs for the military, military suppliers and the Department of Homeland Security. TAW has manufactured secondary distribution equipment for the U.S. military since 1998 at our ISO certified facility, and is fast becoming the preferred source for tough, reliable power solutions. TAW's ISO container server farms with munition resistant construction are the right solution for dependable cyber connectivity. We offer training and reliable service 365 days a year on all of the products we design and build.

CHEMICALS AND CHEMICAL PROCESSING



Industries that rely on PLCs, telemetry and SCADA systems to ensure absolute consistency in the processing of chemicals also depend on the expertise of TAW engineering, software and our proprietary condition-based maintenance systems. As a UL Listed motor repair facility, we routinely assist our clients with safety concerns and explosion prevention. TAW works with many chemical-processing industries and meets multiple API (American Petroleum Institute) Compliance Requirements.

CITRUS, SUGAR AND FOOD PROCESSING

Having honed our skills and expertise in the heart of the Sunshine State – where both citrus and sugarcane are grown – TAW has a unique understanding of the equipment, processes and systems used in food processing. Our experience includes servicing and maintaining conveyors, extractors, evaporators, juice finishers, centrifuges and granular or cold storage units. More importantly, we bring engineering expertise that the citrus, sugar and food processing industries rely on to keep them running, both in the U.S. and abroad.



THEME PARKS



Some of the most popular theme parks in the world are right in our backyard. So if it has a programmable logic controller or a servo motor, we have just the ticket for service, maintenance, design and construction. TAW's engineers and designers are experts in customer safety, sophisticated ride controls, unique equipment applications, complex infrastructure within a park environment, transportation and security systems. Whether it is design and build or build to print, the major names in theme parks come to TAW, secure in knowing that reliability comes first.

HEALTH CARE

Whether for the maintenance of critical standby power systems or the design and supply of electric motor controls, the health care industry has come to depend on TAW for immediate responsiveness to a problem, or consultative analysis of a system challenge they would like to solve. TAW's highly experienced engineers and technicians can troubleshoot and solve just about any technical, electrical or mechanical problem you present. And that's a promise.



Opposite page: A TAW technician performs electrical work on custom-designed switchgear that, once completed, will be shipped overseas to an international power utility customer.



RESPONSIVE

TO ANY AND ALL OF OUR CUSTOMERS NEEDS. 24/7. 365.



CERTIFICATIONS AND QUALITY ASSURANCE

TAW's Tampa Service Center is 10 CFR 50 Appendix B compliant for nuclear motor repairs, UL 674 listed and employs a comprehensive tool calibration program. Our Riverview facility is Florida DCA approved for gen-set enclosure manufacturing and is ISO 9001-2015 compliant. Both facilities comply with all applicable NEMA, ANSI, IEEE, UL and CSA standards. In addition, our Quality Assurance Program meets or exceeds all industry standards. Highlights of the program include:

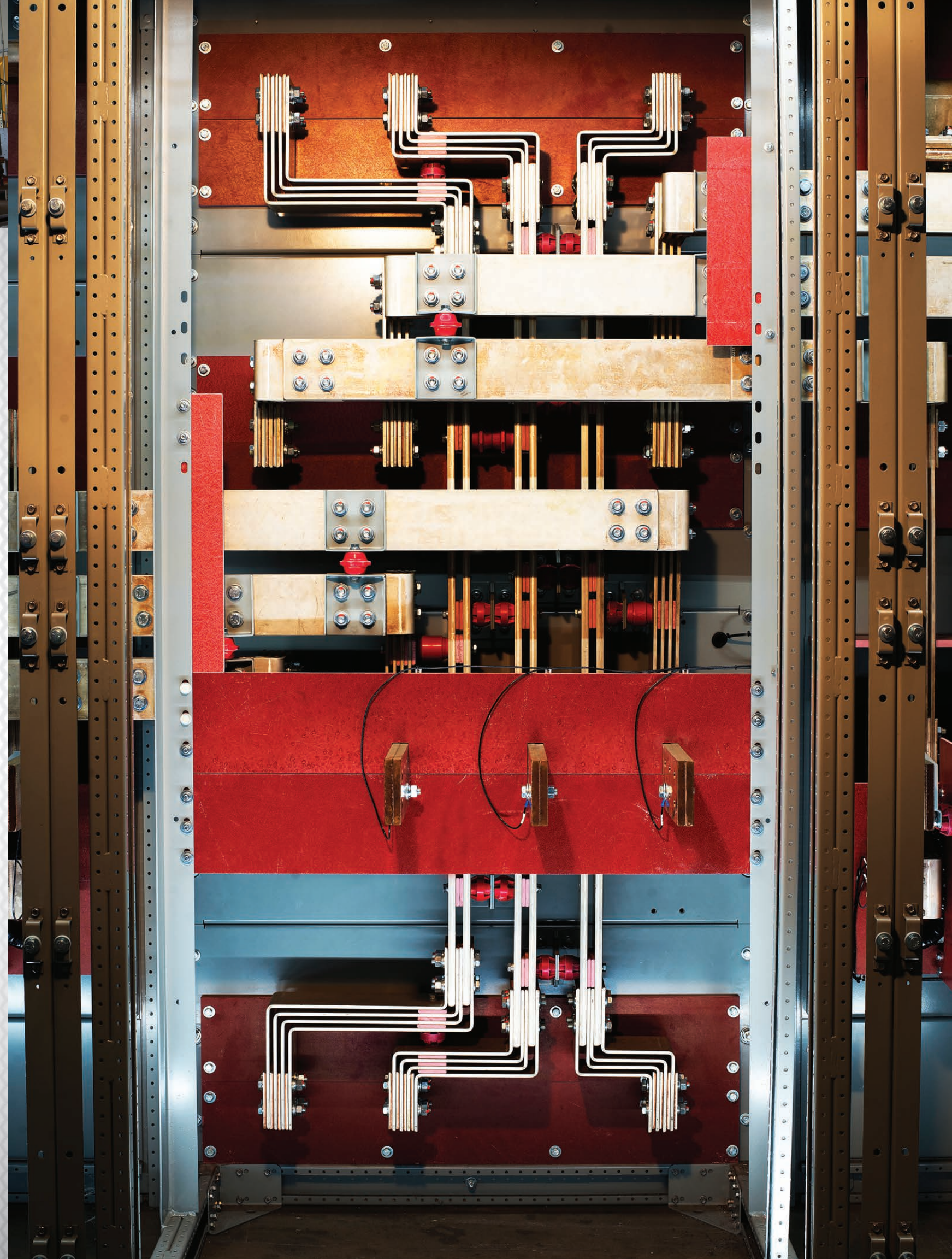
- NETA compliant
- A NIST traceable calibration program that tracks and calibrates over 400 items
- An active corrective action program
- An active material dedication program
- Development of customer specific travelers to clearly convey customer requirements to floor personnel
- Continuous testing and training of staff to mechanical and electrical specifications
- Non-conformances are tracked in a database allowing specific training modifications

A TRADITION OF INTEGRITY

Founded in 1921 by J. Arthur Turner, Sr. and three associates, TAW began its history of excellence by hiring dedicated service professionals and expert craftsmen in the field of electric motor repair and service. The company has carried this core belief of employing the best, in order to provide comprehensive repair services through expertise and knowledge. The standards and level of quality at TAW are simply unmatched in our industry. Our motto – then and now – is “Industry's Friend.” And though the industry and our business model have evolved, all our customer transactions are still based on the principles of safety, integrity, quality, accountability, innovation and teamwork.

TAW serves numerous industries, municipalities, the military and the government in meeting power challenges around the globe. Quality is the bottom line for every one of our employees, and we confidently stand behind every product and service we provide. TAW has facilities located throughout Alabama, Florida, Georgia, Louisiana, Mississippi and the Caribbean, including our UL 674 listed and ISO 9001-2015 certified 140,000 square-foot manufacturing center in Tampa, Florida. Call us today to learn how our unique combination of services and product offerings can help your company in ways you may never have imagined.

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