

**TTA** TECHNICAL ASSOCIATES  
PROCESS SYSTEMS, LLC  
INSTALL SERVICES, LLC

Engineering • Fabrication • Installation • Staffing





TA was founded in 1980 and has steadily grown to offer services that now range from relatively small and local plant-based projects to large turnkey corporate initiatives. Our projects include not only the project management and technical delivery, but the fabrication of process equipment, installation of the process related equipment, installation of full packaging lines, as well as the leveraging of our in-house full service electrical and mechanical install group. Our projects range in the thousands of investment dollars to the tens of millions.



### - OUR CULTURE -

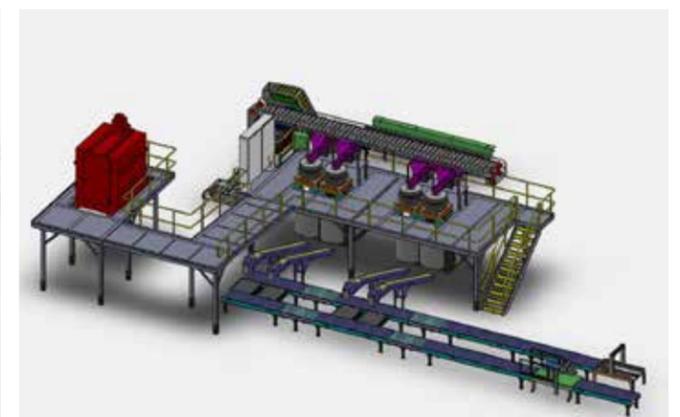
At TA, we strive to instill an employee-owned culture that promotes the healthy expression of ideas and one that empowers people to make a difference not only in the direction of the project or task they are working on, but one that makes a difference in our work environment, the quality of our work experience, and one that promotes positive interaction with each other during our daily work. In the employee ownership culture that TA enjoys, there are inherent additional commitments from our associates and the company to mutually support each other by living the values of mutual respect, recognition and celebration of people, and by empowering individuals to excel and affect positive change in the organization they own and work for.

### OUR HISTORY

- 2014**  
Merged Mechanical and Electrical Services under TA Install Services, LLC
- 2013**  
Established the Harrisburg, PA location
- 2012**  
Established TA Mechanical Installation Division & Charlotte, NC location
- 2011**  
Reached the \$48,000,000 revenue level and 400 employees
- 2009**  
Established TA Process Systems, our process equipment fabrication division
- 2007**  
Established TA Services Group, our electrical installation division
- 2006**  
TA transitioned to an Employee-Owned company
- 2004**  
Established the Columbus, OH Office
- 2003**  
Established the Jacksonville, FL Office
- 2001**  
Established the Cleveland, TN Office
- 2000**  
Established the Alexandria, LA Office
- 1997**  
Reached the \$25,000,000 revenue level
- 1995**  
Established the Atlanta, GA Office
- 1994**  
Reached the \$15,000,000 revenue level and 270 employees
- 1993**  
Established the Jackson, TN Office
- 1990**  
Reached the \$9,000,000 revenue level.
- 1988**  
Established the Macon, GA Office
- 1986**  
Reached the \$5,000,000 revenue level.
- 1981**  
Technical Services Group established - Our in-house staffing group.
- 1980**  
Technical Associates founded in Albany, GA

TA prides itself that, since 1980, we have maintained our dedication to provide our clients with the best engineered solutions which requires a balanced strategy of innovation and cost effectiveness to make their project a success.

Throughout our history, TA's commitment to growth and diversification has resulted in major partnerships with some of the world's most recognized brands. We are proud to offer the full spectrum of engineering services across a wide variety of industrial and manufacturing business sectors. In addition, we have provided engineering support in more than 18 countries and are over 400 engineering and technical resources strong.



Whether you need specialized engineering expertise or turn-key solutions, Technical Associates provides the appropriate level of technical expertise in a variety of disciplines including:

- Electrical Engineering
- Facilities Engineering
- 3D Modeling
- Construction Management
- Instrument Engineering
- Process Engineering
- Packaging Engineering
- Structural Engineering
- Controls Engineering
- Mechanical Engineering
- Material Handling
- CAD Solutions
- Advanced Controls
- Machine Design
- Project Management
- Piping Modeling



### ELECTRICAL ENGINEERING

- Power Distribution
- Code Compliance
- Power Studies
- Short Circuit Relay Coordination
- Motor/Transformer/Power Backup



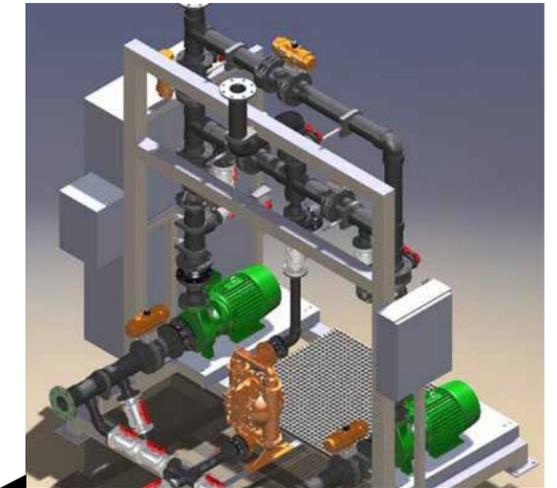
### CONTROLS ENGINEERING

- PLC, DCS, HMI, SCADA
- Servo, Motion, Robotics
- Networking, Enet, Cnet, Dnet, etc.
- Process Controls
- Packaging Controls



### PACKAGING ENGINEERING

- Full Installation
- Upgrades and Retrofits
- Material Handling
- Robotic Applications
- Simulation/Capacity



### 3D MODELING

- Autocad
- Solidworks
- AutoPlant
- Inventor
- Solid Edge



### MECHANICAL ENGINEERING

- Material Handling
- Facility Application
- Utilities Application
- Air Handling/Dust Collection
- Plant Layout



### PROCESS ENGINEERING

- Clean In Place
- Water and Waste Water
- Refrigeration
- Blending and Batching
- Product Distribution



### CIVIL/STRUCTURAL ENGINEERING

- Foundation, Support, Frames, Access Platforms
- Conveyor Systems, Routing, and Support
- Facility Modifications
- Process Piping
- Structural Analysis and Support Design



### PROJECT/CONSTRUCTION MGMT

- Estimating and Scheduling
- Bid Prep and Vendor Selection
- Project Reporting
- Safety Training
- Commissioning Support

## - INDUSTRIES -

TA's initial successes were performing plant-based projects for the pulp and paper industry. TA's impressive delivery of these projects won the confidence of our first key customers who we still enjoy doing business with to this day. With solid business principles and a simple but powerful mission statement, "Alignment of Objectives and Excellence in Execution", TA began to thrive and now, more than 30 years later, serves industries across many sectors from 7 business locations that reach out across North America and internationally. These industries include but are not limited to:

- Food & Beverage
- Pulp & Paper
- Chemical
- Consumer Products
- Municipal Projects
- Pet Food/Animal Feed
- Pharmaceutical
- Telecommunications
- Cement/Mining/Minerals
- Transportation and Commercial Infrastructure
- Wastewater
- Breweries



**TA PROCESS SYSTEMS** founded in 2009, was born when key technical and management leadership began to understand that many of the process systems, process skid units, and process solutions being designed in-house would be better delivered to the end customer if we controlled the quality and the delivery of not only the design of such systems but the fabrication and installation of such systems as well.



TA Process Systems is housed in a 50 thousand square foot facility in Kennesaw, Georgia and maintains a strong workforce of engineering and design talent, expert fabrication technicians, and electrical and mechanical installation crews second to none.

TA Process Systems, a true in-house total solutions provider, offers:

- Skid, Module and Systems Fabrication
- Custom Fabrication
- 3D Skid, Module, and Facility Modeling
- Panel Fabrication and Process Controls
- Custom Fabricate Hygienic, High Purity, (304L, 316L) Stainless
- Passivation / Borescope

**TA INSTALL SERVICES** began to offer installation services to our customers in 2008 as we recognized the increasing value of offering our clients a turn-key solution. Since that time, our organization has grown to include some of the best electrical project managers, superintendents, foremen, and craft in the business. Our resources are TA employee-owners and therefore are invested in ensuring your install is of the highest quality. Furthermore, we understand that safety is of key concern for all our customers as it is for us, which is why our employees are well trained in all aspects of safety and each individual understands that safety is not just a priority but inherent in our culture.



Our Electrical Install team provides the following services:

- Substation and Power Feeds
- Light and Heavy Commercial
- Industrial Electrical/Power & Controls
- HVAC-Power Utilities
- Data and Voice
- On-Site Electrical Install Services
- 24/7 Emergency Services

**TA INSTALL SERVICES** began in the electrical field. It became quickly apparent that to fulfill the vision of true turn-key work, a mechanical division would be required. TA made a determined effort to put in place key management and infrastructure before any mechanical craft came on board. With this experienced leadership in place, TA began to add qualified pipefitters, welders, millwrights, etc. that would be vital to successfully execute the serious industrial work our projects demand. Today, our mechanical team offers a full range of mechanical installation services with an extreme attention to detail and quality. Again, these resources are TA employee-owners and take pride in self performance under the TA brand.



Our Mechanical Install team provides the following services:

- Stainless Process Piping Install
- Carbon Piping Install
- Heavy Equipment Location or Relocation
- Tank Installs
- Material Handling Install
- Industrial Equipment (Pumps/Motors, etc.)
- Passivation / Borescope



**TA** TECHNICAL ASSOCIATES, LLC

**TA** provides qualified technical staffing for short or long-term assignments through our Technical Staffing Group. Since 1980, we have successfully staffed thousands of technical positions for our clients.

Whether you need additional staff to fill an on-site requirement or a full project team, Technical Associates, LLC has the experience and resources to help you achieve your business goals.

By using our services, our clients receive:

- Qualified, Skilled Resources
- Industry Knowledge and Expertise
- Competitive Costs
- Long-term Support from Technical Associates, LLC

Positions we can help with:

- Electrical Engineers
- Controls Engineers
- Mechanical Engineers
- Process Engineers
- Packaging Engineers
- Civil/Structural Engineers
- Instrumentation Engineers
- Construction Managers
- Designers
- CAD Operators
- Project Managers
- Programmers
- Electrical Technicians
- Mechanical Technicians
- Project Support Personnel
- Trainers
- Forklift Operators
- Packaging or Line Operators
- Quality Assurance/Product Inspecting
- Maintenance Personnel
- Start-Up Teams

**- OUR MISSION -**

To successfully advance the business objectives of our customers through the Alignment of Objectives and Excellence in Execution

**TA** TECHNICAL ASSOCIATES  
PROCESS SYSTEMS, LLC  
INSTALL SERVICES, LLC

**- VISION -**

Technical Associates will be the preferred supplier of engineering, fabrication, and installation services to an expanding customer base, recognized by customers and employees as an organization of excellence, high ethical standards and superior service



**JOHN F. HOGUE, JR., P.E.**  
President of Operations



**GRAHAM THOMPSON, P.E.**  
President of Engineering

A good leader inspires people to have confidence in the leader.  
**A great leader inspires people to have confidence in themselves.**



**COLUMBUS, OH**

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614-308-5080

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**CLEVELAND, TN**

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**ALBANY, GA**

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