



NORTH AMERICAN CONSTRUCTION SERVICES

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Thermal Process Construction & Maintenance

ABOUT US

Your single source for construction and maintenance work

TURNKEY THERMAL PROCESS SOLUTIONS

North American Construction Services (NACS) has been delivering rebuild and upgrade solutions, along with complete lifecycle service for industrial furnaces, ovens, launders, holders and other thermal process equipment for over 50 years. The repair and maintenance of high-temperature furnaces is our specialty.

Uniquely organized to bring your furnace construction and maintenance project to completion **on time and on budget**, NACS assembles and manages all the skilled trades needed for the job. With the combustion expertise of Fives North American Combustion, we offer truly integrated, turnkey furnace designs — backed by comprehensive lifecycle support.

Headquartered in Birmingham, Alabama, with satellite offices in Indiana and North Carolina, NACS

provides **end-to-end solutions** for furnace, refractory, and thermal equipment maintenance.

Our expert capabilities include:

- » Steel Construction
- » Fabrication & Assembly
- » Refractory Design & Supply
- » Installation Services
- » Combustion System Commissioning
- » Lifecycle Service & Maintenance



CAPABILITIES

From engineering, mobilization, fabrication, construction and maintenance, we are committed to total customer support

With years of experience in both greenfield and brownfield projects, a highly skilled workforce, and access to the latest control technology, NACS is your trusted partner for **upgrades, retrofits, service and maintenance**. To optimize furnace performance, enhance reliability and minimize downtime, we provide furnace and combustion parts and materials, on-demand and emergency field service, as well as equipment design, supply, and installation.

OUTAGES

Providing maintenance during planned outages is one of our specialties. We offer our clients:

- » Turnkey project management
- » Collaboration to develop the scope of work
- » Aligning the scope of work with the allotted outage period
- » Innovative design, construction, and installation
- » Process control and automation upgrades
- » Comprehensive analysis and engineering services





PARTNERSHIPS THAT GROW
INTO RELATIONSHIPS.

« Your people
worked as a team
24/7 and worked
with me and my
team like we'd been
doing this together
for years... »

Customer - Mill Products

UPGRADES & RETROFITS

An industrial furnace is one of the most critical and expensive assets in any manufacturing process. Ensuring optimal performance is a demanding requirement in today's world. Extending its lifespan through structural and control upgrades can save millions of dollars compared to investing in a new furnace.

NACS meets the ever-changing demands of the global marketplace through skilled maintenance, combustion system improvements, and enhanced control. We provide customers with full lifecycle support long after completion. From initial consultations through furnace design, construction, field installation and ongoing service, we ensure every customer is completely satisfied.

Typical recent projects include:

- | | |
|------------------------|----------------------------|
| » Furnace Modeling | » Improved Product Quality |
| » Increased Production | » Lower Operating Costs |
| » Lowered Emissions | » Code Compliance |

SERVICE & MAINTENANCE

NACS provides comprehensive solutions for furnace, refractory, and thermal equipment maintenance including onsite service and refractory restoration.

SUCCESS BUILT ON VISION & EXPERIENCE

At NACS, we believe the best business partnerships are built on more than just contracts—they're built on trust, performance, and shared success.

From the first consultation to ongoing support, our team is committed to understanding your goals, solving your toughest challenges, and being there long after the project is complete.



OUR FACILITY

A global organization offering local support

Backed by the full support of a global organization with a proven track record of delivery and drawing on our years of experience, we work with our customers to solve tactical challenges and deliver solutions with the highest safety and quality standards.

Our renovated office and fabrication shop are housed within an expansive **85,000+ square foot facility**. This space supports a wide range of operations, including fabrication, piping, assembly, refractory, and painting and is equipped with overhead cranes and jib hoists to optimize efficiency and build and preassemble large equipment prior to shipment. We've also expanded our warehouse capacity from 7,200 to 10,500 square feet, allowing us to stock materials critical to your operations. This includes refractory castables, plastics, ceramic fibers, module bricks, anchoring hardware and combustion and mechanical components.

MARKETS

With in-house capabilities across fabrication, mechanical, combustion, electrical and refractory, NACS delivers on-time results, minimizes on-site work and helps reduce your operational downtime. Markets we serve include:

- » Steel
- » Ductile Iron
- » Forging & Heat Treating
- » Aluminum
- » Copper
- » Air Heaters

HEALTH, SAFETY, ENVIRONMENTAL & QUALITY EXCELLENCE

At North American Construction Services, we maintain a strong focus on safety and code compliance to help minimize risk, while applying our process expertise to optimize the performance of your thermal equipment.

- » ISO 14001:2015 Certified (Environmental Management System)
- » ISO 9001:2015 Certified (Quality Management System)
- » Enhanced Safety Training

CONTACT

nacs.sales@fivesgroup.com
T +1 (877) 348-NACS

North American Construction Services

4466 Pinson Valley Parkway
Birmingham, AL 35215 • United States
www.fivesna.group/NACSweb



fives
Industry can do it