



**HAMCOCK**  
INDUSTRIAL ACCESS  
No Height is Too High



## POWER GENERATION

## INDUSTRY SOLUTIONS

Hamcock Industrial Access collaborates with energy clients to help improve infrastructure & keep up with preventive maintenance. We use our multicraft capabilities with advanced rope access techniques to provide unique and cost effective solutions for demanding engineering and construction challenges.

Hamcock Industrial Access services, repairs, and maintains structures in power generation facilities. Our certified technicians perform any high angle or hard-to-reach tasks on structures throughout your plant. From the cleaning & inspection of industrial chimneys and smokestacks, ductwork and breaching repairs, and cooling tower, silo & tank repairs and maintenance, our highly trained technicians provide effective solutions that meet the most demanding schedule requirements.

Power Plant Facility Managers turn to Hamcock Rope Access for:

Concrete, Steel, FRP (Fiber Reinforced Polymer) structure, chimney and stack inspection and repair

Coatings, painting and surface reconditioning including removing scale and rust preparing surface for repair, painting or application of protective coatings and lining materials.

Installation and repair of safety platforms, ladders, access structures, and lighting & lightning protection on all structures, chimneys and stacks.

NDT methods include Ultrasonic Thickness Testing (UT), Schmidt Hammer Testing, Laser Surveys, and Hot Camera Inspections and are used to determine the strength or longevity of a structure without needing to remove samples of the material. These methods are designed to examine the condition & strength of a structure in a manner that does not affect its usefulness or performance. UT testing is the most popular NDT method & uses UT meters to test for thinning of material from corrosion or erosion or excessive wear. NDT tests provide a baseline measurement along with subsequent periodic results of structural characteristics such as the material's surface hardness, density, and

thickness. These details can support sound choices for future repair or replacement expenditures.

FRP Sampling utilizes samples taken from existing FRP structures and tested by a qualified laboratory to determine their condition, predict their remaining service life and recommend any required repairs. Sampling sites are repaired as samples are removed.

Infrared Thermography can be used to spot leakage of heat through welds, couplings, valves or through a junction or connection within structures, piping, ductwork, breaching or stack construction. If variations of temperature are present, it can indicate weak spots or leakage, which can allow us to get ahead of breakdowns and outages by spotting weak spots and quickly repairing or servicing these vulnerabilities.

structures that are unique to certain types of power generation; such as coal or hydroelectric. Here is a look at services we offer regarding coal & hydroelectric energy plants:

### Coal

- Coal Plant Chimneys
- Coal industrial chimneys / smokestack repair & relining
- Industrial Chimney sweeping / cleaning
- Concrete Repair, Coatings, Resurfacing & Painting
- Repair missing and loose chimney refractory lining – Gunitite brick & FRP liners repair
- Chimney ash removal
- Chimney Cap & Rain Hood repair / replacements
- FRP liners inspected and repaired
- Parabolic Cooling Tower inspection and repair
- Ductwork & Breaching repair

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Petrographic Testing uses physical material samples or borings from the structure which is sent off for laboratory testing to determine structural integrity and strength. Hamcock Industrial Access provides Non Destructive Testing (NDT) & structural testing services to help determine the structural integrity of industrial chimneys, smokestacks, or other generating plant structures.

We provide general power plant services on structures and units within your generation facilities, including –

- Chimneys, Stacks & Towers
- Scrubbers
- Silos, Tanks & Vessels
- Cooling Towers
- Circulating Water Systems
- Containment Structures
- Intake Structures
- Docks & Piers
- Dams
- Equipment Foundations
- Barge Unloading Systems
- Elevated Conveyor Structures

Our team of fully trained rope access technicians specializes in performing tasks for

### Hydroelectric

- Concrete inspection on dams
- Access planning for engineering applications
- Safety planning & implementation
- High Angle Inspections
- Spill Gate inspections & maintenance
- Dam & Penstock inspections

