





# NORTH AMERICAN ENERGY SERVICES — A GLOBAL LEADER

NORTH AMERICAN ENERGY SERVICES COMPANY (NAES)
IS A GLOBAL LEADER DEDICATED TO ADDING VALUE BY
OPTIMIZING THE PERFORMANCE OF ENERGY GENERATION
SYSTEMS AND RELATED FACILITIES.

#### **Providing Comprehensive Services**

NAES and its wholly owned subsidiaries offer a comprehensive array of services to help make your energy facility work — better. These include:

- Operations & Maintenance
- Technical Services
  - Operating Procedures
  - Training
  - Preventive Maintenance Plans
  - Environmental & Safety Plans
  - Development Support & Setup
  - Due Diligence
- Annual & Major Maintenance
- Construction
- Decommissioning & Dismantlement
- Combustion & Steam Turbine
  - Component Repair & Refurbishment
  - Field Maintenance
- Temporary Employee Placement

### NAES Spells "Success" in Any Language

NAES has earned an international reputation for helping our customers achieve outstanding results. We strive to provide exceptional performance. We focus on your goals and are responsive to your needs. This approach spells "success" in any language.

**Energy People Making Energy Facilities Work — Better** 



## OPERATIONS AND MAINTENANCE

FACED WITH MARKET UNCERTAINTIES AND INTENSE COMPETITION,
OWNERS HAVE ENOUGH RISKS. LET NORTH AMERICAN ENERGY
SERVICES (NAES) MINIMIZE YOUR OPERATIONS AND MAINTENANCE
(O&M) RISKS AND HELP YOU ACHIEVE YOUR GOALS.

#### A Global Leader

NAES is a global leader in providing highly cost-effective, third-party O&M services. These services help our customers attain consistently high levels of plant performance.

Our experience is unparalleled. Using a variety of fuels, we have operated a broad range of energy generation technologies, including combustion turbines, steam turbines, reciprocating engines, boilers, geothermal, and district heating and cooling systems under a variety of market conditions.

#### **Our O&M Performance Pays Off!**

NAES uses highly effective operational programs emphasizing safety, environmental compliance, operations, maintenance, chemistry, training, and administration. We tailor these programs to your plant, using the local language, and align them to your processes. These programs consistently deliver outstanding O&M performance straight to your bottom line.

#### **Owner Satisfaction**

As your operator, our loyalty is to you. We provide objective and proven O&M services that reduce your O&M risks and ensure your satisfaction.

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## TECHNICAL SERVICES

NORTH AMERICAN ENERGY SERVICES (NAES) PROVIDES SPECIALIZED
SERVICES AIMED AT IMPROVING PLANT TECHNICAL AND ECONOMIC
PERFORMANCE AND ENHANCING PERSONNEL EFFECTIVENESS.

#### **Customized Operating Procedures**

Properly researched operating procedures that are clearly written in the local language are essential to efficient plant operations and safety. Our customized procedures consolidate discrete operating requirements into system-based, comprehensive procedure manuals that are immediately useful to plant personnel.

#### **Specialized Training**

Our plant-specific, system-oriented training, based on our customized operating procedures, directly supports personnel qualification and certification.

#### **Comprehensive Preventive Maintenance Plans**

Using manufacturers' data and proven practices, we create comprehensive preventive maintenance (PM) plans. Integrated into your facility's computerized maintenance management system (CMMS), our PM plans produce the tailored information needed to improve project economics through higher availabilities and reduced maintenance costs.

#### **Experienced Environmental & Safety Services**

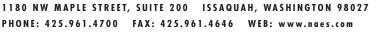
Our environmental professionals provide a wide array of support ranging from permit reviews to full client and operator environmental management.

#### **Specialized Operations Consulting**

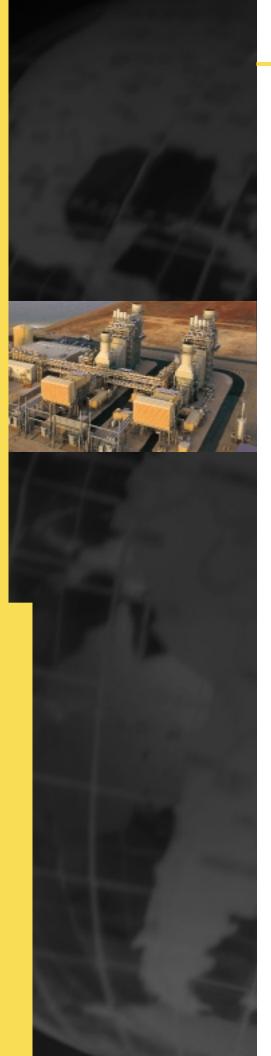
For the times you need an "operator's perspective," NAES will provide special services such as O&M oversight, EPC and LTSA negotiation support, operability review, acquisition due diligence, and operational assessments.

### Energy People Making Energy Facilities Work — Better









## DEVELOPMENT SUPPORT AND SETUP SERVICES

A PLANT THAT STARTS RIGHT AND RUNS RIGHT IS YOUR COMPETITIVE ADVANTAGE IN TODAY'S ENERGY MARKET. NORTH AMERICAN ENERGY SERVICES (NAES) PROVIDES A COMPREHENSIVE DEVELOPMENT SUPPORT PROGRAM THAT GIVES YOU THE EDGE — YOUR PLANT IS OPERATIONALLY COMPLETE AND READY TO COMPETE.

#### **Comprehensive Services**

Whether you are developing a new project or taking over an existing plant, NAES provides an all-encompassing program of development support and setup services that includes:

- Operability reviews
- Tools and spares evaluations
- Operational programs
- O&M budgets
- LTSA negotiations
- EPC negotiations

- Staff recruiting
- Turnover, start-up and testing support
- Procedures development
- Training
- Maintenance and CMMS programs
- Due diligence

#### **Follow-Up Assessments**

As part of our services, we conduct periodic assessments of your operations to encourage continuous improvement by your plant staff.

#### **Your Plant Starts Right and Runs Right**

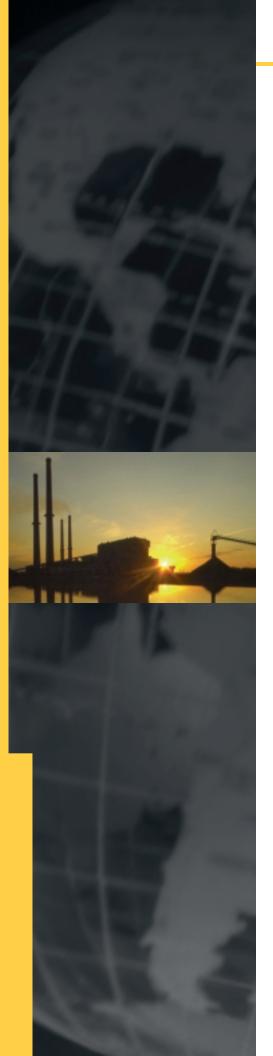
By providing superior development support and setup services, NAES allows you to focus on the project development process. We use our broad experience and expertise to deliver a proven turnkey approach that adds value by saving time, energy, and money — value that gives you the competitive edge.

**Energy People Making Energy Facilities Work — Better** 



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## POWER MAINTENANCE RESOURCES, INC.

WHEN YOU NEED HIGH QUALITY CONSTRUCTION, REPAIR, MAINTENANCE, MODIFICATION OR DECOMMISSIONING SERVICES, YOU CAN COUNT ON POWER MAINTENANCE RESOURCES, INC. (PMRI) TO APPLY PROVEN SKILLS, EXPERIENCE AND PROFESSIONALISM TO COMPLETE YOUR PROJECT ON-TIME AND WITHIN BUDGET.

#### Services and Expertise Across the Board

Whether you need major boiler work on a 750 MW coal plant, an HRSG retubed, a contract for a new switchyard, hydro plant repair, construction services for a spent nuclear fuel facility, or a major inspection on a combustion turbine, PMRI can meet your needs and more!

PMRI, a maintenance and construction company deeply rooted in the power industry, is focused on serving the power generation and transmission industry. As a full service provider, PMRI provides a durable, high quality solution that allows you to extract the maximum value out of each and every dollar spent maintaining your assets.

PMRI provides a broad range of services including:

- Annual maintenance for power plants and related facilities, including systemwide maintenance agreements.
- Major maintenance on a broad range of equipment and systems, including boilers, HRSGs, combustion turbines, steam turbines, and balance of plant equipment.
- Turnkey substation and transmission projects including engineering, procurement and construction (EPC).
- Vertical concrete cask (VCC) construction for independent spent nuclear fuel storage installations.

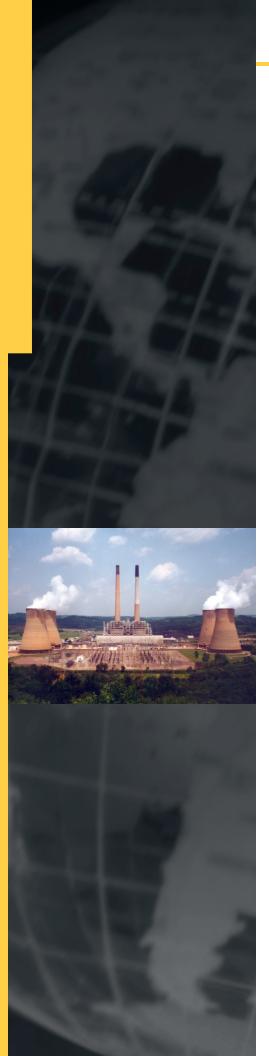
We have developed this broad expertise through the successful completion of numerous projects at plants operating on various fuels including coal, nuclear, gas, oil, refuse-derived fuel, biomass, geothermal and hydro.

### Energy People Making Energy Facilities Work — Better



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## AMERICAN BOILER & CHIMNEY COMPANY

AMERICAN BOILER & CHIMNEY COMPANY (AB&C) IS A FULL SERVICE CONTRACTOR PROVIDING INSPECTION, MAINTENANCE, REPAIR, AND CONSTRUCTION SERVICES TO THE UTILITY, STEEL, PETROCHEMICAL, AND PULP AND PAPER INDUSTRIES.

#### **Dedicated to Quality, Safety, and Total Customer Satisfaction**

Established in 1993, AB&C delivers the highest level of customer satisfaction by the use of seasoned supervision and highly skilled craft labor in concert with the safest and most cost-effective work practices. Our principals have extensive hands-on experience and deliver solutions that address your budget, quality, and schedule needs.

#### What Can AB&C Do for You?

We are known for providing outstanding inspection, maintenance, repair, and construction services. We will:

- Erect, repair, remove, and replace boiler tubing and internals
- Repair and maintain a broad range of ancillary boiler equipment
- Inspect, maintain, and repair chimneys and stacks
- Design, fabricate, and construct field erected tanks and pressure vessels
- Field repair, modify, and retrofit existing tanks and pressure vessels
- *Inspect and repair hyperbolic cooling towers*

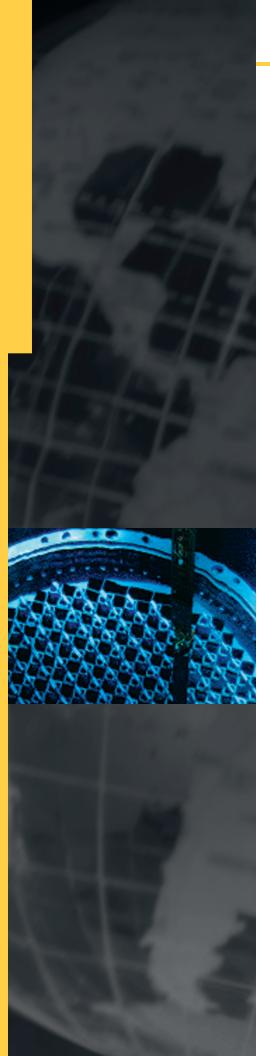
AB&C holds Certificates of Authorization from the National Board of Boiler & Pressure Vessel Inspectors ("R" stamp) and the American Society of Mechanical Engineers ("S" stamp).

#### Energy People Making Energy Facilities Work — Better



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A wholly owned subsidiary of North American Energy Services





## DECOMMISSIONING

THE POWER INDUSTRY TODAY IS FACED WITH RETIRING A GENERATION OF OLDER PLANTS. POWER MAINTENANCE RESOURCES, INC. (PMRI) PROVIDES DECOMMISSIONING AND DISMANTLEMENT SERVICES WITH A CLEAR UNDERSTANDING OF THE CHANGING ENVIRONMENT AND IN CONFORMANCE WITH INCREASING REGULATION.

#### **Proven Integrated Team Approach**

PMRI offers an integrated team approach to decommissioning and dismantlement. At each project, we employ an experienced management team and skilled craft labor. We perform our work under the General Presidents' Project Maintenance Agreement and applicable industry, government, and site standards. Our services include:

- Field decommissioning implementation
- Equipment/component removal
- Plant systems modification
- Dismantlement, decontamination, and remediation
- Waste processing/packaging
- Spent fuel storage cask fabrication
- Independent spent fuel storage installation (ISFSI)
- Spent fuel loading and transfer

#### **Adding Value to Your Project**

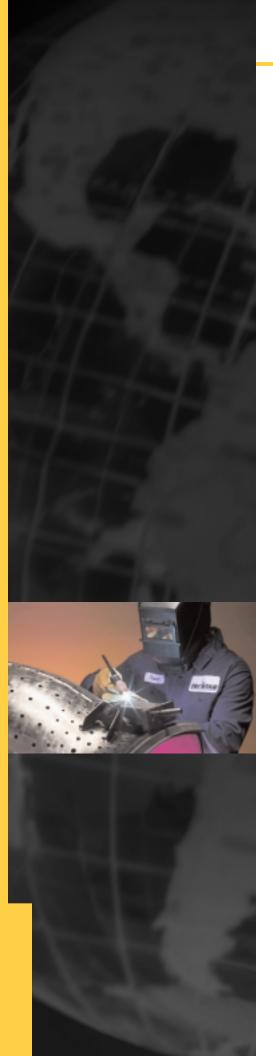
Whether we're working on nuclear or conventional power plants, PMRI focuses on key project issues, ensures that the proper resources are in place, and completes the project on schedule and within budget. That's adding value to your project.

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## TRISTAR TURBINE TECHNOLOGIES, INC.

OWNERS OF POWER GENERATION FACILITIES NEED DEPENDABLE
AND RELIABLE REPAIR SERVICES OF PRIME MOVER COMPONENTS.

TRISTAR MEETS THIS NEED BY OFFERING THE VERY BEST IN MAJOR
COMBUSTION AND STEAM TURBINE COMPONENTS REPAIR.

#### **Independent, Full-Service Facility**

TriStar is an independent, full-service combustion and steam turbine components repair and services company. Founded by an experienced team of industry repair experts, TriStar provides a wide range of sophisticated parts repair and refurbishment services including grit blasting, non-destructive testing, reverse engineering, and fuel nozzle testing. Located in a new 35,000 sq. ft. facility, TriStar employs state-of-the-art equipment capable of handling the largest and latest technology combustion and steam turbine components including:

#### **Combustion Turbine**

- Nozzles and Vanes
- Combustion Liners
- Shroud Blocks and Ring Segments
- Buckets and Blades
- Transition Pieces
- Fuel Nozzles

#### **Steam Turbine**

- Nozzles and Diaphragms
- Blade Rings
- Packing and Seal Strips
- Rotors
- Inner Cylinders
- Valves

#### **Delivering the Best Customer Care**

TriStar delivers the "Best Customer Care" in the power generation industry via innovative solutions, competitive prices, and superior customer service.

## Energy People Making Energy Facilities Work — Better



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A wholly owned subsidiary of North American Energy Services





## FIELD MAINTENANCE

THE OSI DIVISION OF NORTH AMERICAN ENERGY SERVICES (NAES) IS COMMITTED TO PROVIDING COMPREHENSIVE FIELD MAINTENANCE FOR ON-SITE INSPECTIONS AND OVERHAULS OF LARGE ROTATING EQUIPMENT WITHIN THE POWER GENERATION, PETROCHEMICAL, AND GAS PIPELINE INDUSTRIES. OSI HAS PROVIDED QUALITY SERVICE SINCE 1990.

#### **Comprehensive Services by Experts in the Business**

OSI specializes in working on rotating equipment including:

- Combustion Turbines
- Generators
- Pumps
- Control Systems

- Steam Turbines
- Compressors
- Gear Drives

OSI provides a broad range of services including:

- Complete on-site inspection/overhaul services
- Pre-planning and management of inspection services
- Equipment repair and refurbishment
- Laser leveling and alignments
- Borescope inspections
- *Spare parts sourcing and inventory optimization*
- Predictive maintenance programs
- Proprietary regression analysis
- Vibration analysis
- Calibration and analysis of control systems

OSI's supervisors have earned the reputation for professionalism, leadership, and reliability. We achieve the highest levels of safety, quality and productivity from craft personnel. We are experts you can trust.

#### **Our Commitment to Your Success**

OSI has a track record of success on hundreds of projects. Our experience is your assurance that we will exceed your objectives – we do more than you expect!

### **Energy People Making Energy Facilities Work — Better**



**OSI Division** 

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# NORTH AMERICAN CONTRACT EMPLOYEE SERVICES

MAINTAINING EFFICIENT STAFFING LEVELS IN A COMPETITIVE MARKETPLACE
IS ONE OF TODAY'S GREATEST MANAGEMENT CHALLENGES. NORTH

AMERICAN CONTRACT EMPLOYEE SERVICES (NACES) HAS BEEN HELPING
PEOPLE LIKE YOU SUCCESSFULLY MEET THIS CHALLENGE SINCE 1986.

#### **Meeting Your Challenge**

NACES specializes in providing skilled professional, technical, and other support personnel to firms in a variety of industries, including:

- Power Generation
- Utility
- Engineering & Construction
- Petrochemical

- Oil & Gas
- Telecommunications
- Information Technology
- Manufacturing & Warehousing

#### **Providing Customized Staffing Solutions**

Key to our success is listening to your unique staffing needs. We then draw on a variety of techniques to develop a customized staffing solution that works for you. These solutions range from providing temporary employees, or directly recruiting candidates for your open positions, to providing unique payroll service options.

#### Let NACES Find the Right People — Right When You Need Them

At NACES, we stand behind our work. We stay in touch to make sure you get what you expect. If our people fail to satisfy your performance requirements, we will provide a replacement without delay. Your satisfaction is our success.

### **Your Natural Resource for People**



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