



BHI Energy has more than 40 years of experience providing integrated specialty maintenance, professional and technical services to power generation, transmission & distribution, oil & gas, industrial and government facilities. We provide experienced project management, technical personnel and craft labor who understand the demands of our customers and deliver quality services utilizing proven infrastructure and innovative equipment and technologies.



MAINTENANCE & MODIFICATION SERVICES

On-line & outage maintenance and project implementation integrating a full line of specialty services from radiation protection to complete valve maintenance, specialty welding and electrical/I&C.

Team Room Leadership
Financial Management
Union and Non-union Capabilities
Planning & Scheduling Services
Full Managed Task or Staff Augmentation
Outage Performance Improvement

Project Management
Project Controls
Plant Modifications
Major Capital Projects
Containment Management
Scaffold Improvement
Lithium Battery & Inverter Replacements for Station Battery Systems

Welding/Pipe Installation
Valves
Civil – all aspects
Electrical Installations, Maintenance & TP&L
Radiation Protection
Turbine Services
Automated Monitoring Services



INSTRUMENTATION & CONTROLS AND ELECTRICAL SERVICES

Online & outage corrective, planned and modification maintenance.

MWO Reduction
Union & NonUnion Team Structures
Preventative & Corrective Maintenance
Analyzers & Analytical Instrumentation
Security Equipment Maintenance & Mods

Equipment Installation & Modification
Implementation Testing (Test Specialists/ Test Engineers III, II, I)
Implementation Procedure Writing
Digital I&C Implementations

Station Li Battery & Inverter Replacements
Transformer Preventive Maintenance & Component Testing
Troubleshooting & Testing
Training Services
Managed Task & Staff Augmentation



VALVE MAINTENANCE & REPAIR PROJECT SERVICES

Integrated valve and actuator maintenance & testing for the power generation industry.

Systematic Project Approach
First Time Quality
Trained Qualified Workforce
EPRI AP3 Compliant
INPO Modeled Training

Full Scope Valve Repair
Turn Key MSIV Project
Automated Seat Cutting & Welding
In-Place Machining
MOV Diagnostics & Repair

AOV Diagnostics & Repair
Leak Management Programs
I&C & Electrical scope integrated with MOV & AOV scopes



RADIATION PROTECTION

Operational radiation protection, decontamination and decommissioning, janitorial and facilities maintenance and environmental management services for commercial nuclear power and government facilities.

Radiation Protection (RP)
Decontamination & Decommissioning
ALARA
Dosimetry
Instrumentation
Technical Training
Environmental Remediation
Engineering Controls
Radiological Engineering
Regulatory Compliance

Dose Reduction Plans
Program Recovery
Buried Pipe Inspection
Cleaning
Groundwater Protection
Industrial Hygiene Characterization
Historical Site Assessments
DCGL Development
Final Status Survey
MARSSIM/MARSAME

CZT Detection
Specialty Coatings
LTP Development
Waste Management
Remote & Automated Monitoring Systems
Portable HEPA Ventilation Units
REMP/RETS
Decontamination
RP Consultants
Facilities Maintenance



CIVIL MAINTENANCE & SCAFFOLDING

Industry-recognized scaffold management programs and civil construction services.

Scaffold Program Management & Labor
Specialty Fabrication & Design
Seismic Engineering
Equip Storage & Decontamination
Laser Imaging / 3D Modeling

Excel Modular Scaffolding (Purchase or Rental)
Permanent Structures
Shielding Racks & Towers
Reactor Vessel Head Flange Adapter Assemblies

Civil/Structural Barrier Installation and Repairs
Base Concrete Slab Installation



TURBINE SERVICES

Turbine / generator and rotating equipment maintenance, repair, inspection & overhaul for the nuclear and fossil power sectors.

Open, Clean Inspect & Close
Generator Disassembly & Inspection
Turbine Minor/Major Overhaul
Project Management
Planning & Scheduling
Subcontractor Management
Technical Direction

Supervision of Craft Labor
Turbine Centerline
Hot Gas Path Inspection
In-Situ Valve Repair/Rebuild
Component Replacement
Preventive Maintenance
Mobile Tooling & Equipment

Crossover Pipe Remove & Inspect
Complete Reactor Coolant Pump Services
Balance of Plant:
- Rotating Equipment
- Pump & Motor
- Diagnostics
- Install, Modify & Upgrade



SPECIALTY WELDING & MACHINING PROJECTS

Implementation of schedule/quality-critical mechanical projects and specialty welding applications for power and industrial facilities.

Specialty Welding
New System/Plant Installations
Secondary Plant System Repairs/Replacement
RPV Vessel Repairs
Reactor Coolant Pump Repairs & System Piping

FWH Replacement/Repair
Piping Modification
Component Replacement
Pump and Valve Repair
Boiler Tube Butt Welding
Vessel Modification
Weld Overlay (Automatic & Semi-automatic)

Coke Drum Repair
Automatic Orbital Welding
Boiler Refurbishment (Tube Overlay & Build-Up)
Low Clearance Automatic Welding (Elbows & Furnaces)



WIND SERVICES

Wind turbine maintenance, inspection and repair as well as blade repair, including emergent service for wind farms across North America. BHI has a comprehensive Wind Training Center that allows us to meet customer demands for trained technical labor.

Vestas, GE, Nordex & Siemens Turbines
Preventative, Scheduled & Emergent Maintenance
Fleetwide Repair & Overhaul 50-350 MW
Warranty Support
Project Management

Up-Tower Gearbox Repairs & Oil Changes
Borescope Inspections & Generator Alignment
Drivetrain Repairs
Blade Repairs
Basket Access
Leading Edge Protection

Internal Inspections
Transvers Cracks, Tip Repairs
Trailing Edge Split Repairs
Lift & Climb Assist Installation, Inspection & Maintenance
Tower Rescue
Training & Certification
Blade Training & Certification



HYDRO SERVICES

Cost-effective integrated services ranging from technical support to turnkey overhaul with highly skilled personnel. Supporting turbine maintenance, turbine/generator upgrades and BOP services with rapid response to emergent repairs.

Vertical/Horizontal Kaplan, Francis, Fixed Blade & Pump Storage
OEM Support for Installation & Upgrades
Unit Inspection & Alignment
Emergent Repairs

Turbine/Generator Maintenance, Inspection, Repair & Troubleshooting
Worked on > 150 units at more than 50 facilities
Generator Stator Coil Clean & Inspect
Rotor Pole R&R

Onsite O&M Services
Project Management
Supervision, Technical Expertise & Supplemental Craft
Balance of Plant Maintenance



TRANSMISSION & DISTRIBUTION (T&D) SERVICES

Supporting new or existing power substations, transmission and distribution systems and horizontal directional drilling and pipeline services. Engineering and construction to maintenance, live-line work and storm response.

Construction & Oversight
T Lines to 500 kV
Medium & High Voltage Distribution Systems to 69KV
Equipment Inspection, Repair & Maintenance
OH & UG Line Maintenance and Wire Stringing
Structure Installation & Replacement
Energizing & Testing
Substation & Transformer Installation & Construction

Maintenance, Testing & Commissioning
Foundations & Site Work
Live Line/Barehand Work up to 230 kV
UG Horizontal Directional Drilling
Pipeline Construction
Project Management
Construction Management
T&D & Substation Engineering
New OH & UG Line Design

Storm Hardening & Grid Modernization
Design & Analysis, Permitting
Grid Tie BESS Installations
Drone, GPR, LIDAR, Infrared Thermography Inspections
Storm Response
Storm Damage Assessment
Restoration Equipment & Personnel



STAFFING AUGMENTATION SOLUTIONS

Talent solutions to the Nuclear, Fossil, Wind, Hydro, Oil & Gas and Industrial sectors. Working in both union and nonunion environments providing staff augmentation, managed services, direct placement and payrolling services.

Professional & Technical Staffing Services & Solutions (Union & Non-Union)
Managed Staffing & Vendor-On-Premise Solutions with vendor technology platforms
Supplier Management & Consolidation Programs

Direct Placement & On-Demand Support
Fully-Outsourced Recruitment Services
Payrolling (Union & Non-Union) & Seconded Labor
Retirees Services & Solutions
Co-Op & Intern Programs

Areas of Focus:
- Engineering
- Technical
- Professional
- Light Industrial
- Decommissioning Support
- Trades/Craft
- Union & Non-Union Labor Support

CORPORATE HEADQUARTERS:

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CANADA:

PEMBROKE, ONTARIO
TORONTO, ONTARIO



Pursuing Excellence
through
**THE GOLD
STANDARD**

Safety First
First Time Quality
Innovation
Partnership
Accountability