

PRE-COMMISSIONING, COMMISSIONING STARTUP SERVICES

- o Subcontract Scope of Work (Turnkey)
- o Contract Techs or Other Positions (Under Other's Direction)
- o Startup Management, CSU Engineers, Techs and Specialists
- o CSU Manager, Safety, Turnover Coord, Project Schedulers, Etc.
- o Commissioning Planning, Procedures and Turnover Program
- o Multi-Site Project Management
- o Site Safety, Training, System Scoping,
- o Construction & Commissioning Test Plans & Work Packages (POCO & IOFT through Performance Testing).
- o Construction Testing & Completion Support (hydro, flushes)
- o OEM Support Services
- o Interim Plant Operations

ADVISORY CONSULTING

- o Project & Operations & Maintenance Consultants
- o Troubled Projects, Fast Track, Expediting
- o Subject Matter Experts
- o Special Projects
- o Due Diligence Inspections & Reporting
- o Audits
- o Procedures, Processes & Capability Assessments
- o Single Point Failure Mode Analysis
- o Post Incident Reviews
- o Operations Efficiency

- o Confidential Assessment

DECOMMISSIONING SERVICES

- o Decommissioning Approach Planning
- o Transitional O&M Staffing (All Positions)
- o Hazardous Energy Isolation (LOTO)
- o EHS Support (CEMS, COVID 19 Compliance & Monitoring, Hazmat, NPDES, etc.)
- o Secondary Market Equipment Sales
- o Post Shutdown Long Term Layup Procedures
- o Shutdown Schedule Sequencing
- o Partial Facility Operations

ONSITE 3RD PARTY TEST REPORTING & CONTRACTOR MONITORING

- o Witness Flushes, Blows, Hydrostatic Testing
- o Preservation Activities
- o Shipping & Storage Audit requirements
- o Vessel Clean & Close
- o First Fire Readiness Checks
- o Turnover Package Report Audits
- o Piping System Oil Flushes
- o Mechanical and Chemical Cleaning & Steam Blow
- o Unscheduled Inspections
- o Others

FIELD TESTING - OUTAGES, UPGRADES, REPAIRS, ETC

- o Electrical Systems
- o Mechanical Systems
- o Instrumentation & Control Systems
- o I&C Onsite Calibrations
- o I&C Loop Checks & Functional Testing

- o Control Valve Testing & Maintenance
- o DCS Logic, Network, Fiber
- o PLC systems

TURBINE SERVICE & MAINTENANCE

- o Installation & Commissioning Oversight
- o Outage Management & Support
- o Borescope Inspections
- o Package Inspections
- o 3rd Party Inspection & Witnessing

PLANT OPERATIONS & MAINTENANCE

- o Pre-Acceptance Operations
- o Short Term Staff Augmentation
- o Long Term O&M Contract Operations
- o Transitional O&M Services
- o Decommissioning & Transitional O&M Services

SHUTDOWNS, TURNAROUNDS & OUTAGE (STO)

- o Turnaround Planning & Scheduling
- o QA/QC Inspections
- o I&C Field Support
- o Mechanical Field Support
- o Electrical Field Support
- o Thermography Audits
- o Safety Inspectors
- o Techs & Craft Support
- o Timekeepers & Tool Room

SKILLED WORKFORCE

- o Millwrights & Machinists
- o Certified Welders
- o Pipe Fitters
- o Electricians
- o Instrument Fitters
- o General Labors
- o Instrument Fitters
- o Crew Foreman

WARRANTY & PROCUREMENT SERVICES

- o Factory Acceptance Test Verifications
- o Expedited Work/Repair Monitors
- o Owner's Rep for Post Incident Equipment Disassembly
- o Warranty Management

ENGINEERING STUDIES AND ANALYSIS

- o NFPA 70E Compliance Audits
- o Protection System Coordination
- o Procedures / Programs
- o Plant Operating Procedures
- o Lock Out Tag Out
- o Testing and Maintenance Procedures
- o Data Sheets of all Electrical Equipment

ONSITE TRAINING

- o Power Plant Fundamentals & Operations Training
- o Electrical Hands-On Skills Training
- o OSHA 10 Hour
- o OSHA 30 Hour
- o General Electrical Safety
- o NFPA 70E Compliance (Arc Flash)



NAICS Codes

22111	Hydroelectric Power Generation
22112	Electric Power Distribution
221210	Natural Gas Distribution
333611	Turbine and Turbine Generator Set Units Manufacturing
541612	Human Resources Consulting Services
541990	All Other Professional, Scientific, and Technical Services
561320	Temporary Help Services

Product & Service Codes

K059	MODIFICATION OF EQUIPMENT- ELECTRICAL AND ELECTRONIC EQUIPMENT COMPONENTS
K028	MODIFICATION OF EQUIPMENT- ENGINES, TURBINES, AND COMPONENTS
K044	MODIFICATION OF EQUIPMENT- FURNACE, STEAM PLANT, AND DRYING EQUIPMENT; NUCLEAR REACTORS
K043	MODIFICATION OF EQUIPMENT- PUMPS AND COMPRESSORS
R707	SUPPORT- MANAGEMENT: CONTRACT/PROCUREMENT/ACQUISITION SUPPORT
R424	SUPPORT- PROFESSIONAL: EXPERT WITNESS
R425	SUPPORT- PROFESSIONAL: ENGINEERING/TECHNICAL
K061	MODIFICATION OF EQUIPMENT- ELECTRIC WIRE AND POWER DISTRIBUTION EQUIPMENT
H956	OTHER QUALITY CONTROL, TESTING, AND INSPECTION- CONSTRUCTION AND BUILDING MATERIALS
Z2PZ	REPAIR OR ALTERATION OF OTHER NON-BUILDING FACILITIES
Z2PD	REPAIR OR ALTERATION OF WASTE TREATMENT AND STORAGE FACILITIES
Z2NB	REPAIR OR ALTERATION OF HEATING AND COOLING PLANTS
Z2NC	REPAIR OR ALTERATION OF POLLUTION ABATEMENT AND CONTROL FACILITIES
Z2ND	REPAIR OR ALTERATION OF SEWAGE AND WASTE FACILITIES
Z2NE	REPAIR OR ALTERATION OF WATER SUPPLY FACILITIES
Z2MG	REPAIR OR ALTERATION OF EPG FACILITIES - SOLAR
Z2MF	REPAIR OR ALTERATION OF EPG FACILITIES - PETROLEUM
Z2ME	REPAIR OR ALTERATION OF EPG FACILITIES - NUCLEAR
Z2MD	REPAIR OR ALTERATION OF EPG FACILITIES - HYDRO
Z2MZ	REPAIR OR ALTERATION OF EPG FACILITIES - OTHER, INCLUDING TRANSMISSION
Z2MC	REPAIR OR ALTERATION OF EPG FACILITIES - GEOTHERMAL
Z2MB	REPAIR OR ALTERATION OF EPG FACILITIES - GAS
Z2MA	REPAIR OR ALTERATION OF EPG FACILITIES - COAL
Z2KA	REPAIR OR ALTERATION OF DAMS

Z2JB	REPAIR OR ALTERATION OF TESTING AND MEASUREMENT BUILDINGS
Z2ED	REPAIR OR ALTERATION OF SHIP CONSTRUCTION AND REPAIR FACILITIES
Z1PZ	MAINTENANCE OF OTHER NON-BUILDING FACILITIES
Z1PD	MAINTENANCE OF WASTE TREATMENT AND STORAGE FACILITIES
Z1NZ	MAINTENANCE OF OTHER UTILITIES
Z1NE	MAINTENANCE OF WATER SUPPLY FACILITIES
Z1NB	MAINTENANCE OF HEATING AND COOLING PLANTS
Z1NA	MAINTENANCE OF FUEL SUPPLY FACILITIES
Z1MD	MAINTENANCE OF EPG FACILITIES - HYDRO
Z1MC	MAINTENANCE OF EPG FACILITIES - GEOTHERMAL
Z1MF	MAINTENANCE OF EPG FACILITIES - PETROLEUM
Z1MG	MAINTENANCE OF EPG FACILITIES - SOLAR
Z1MB	MAINTENANCE OF EPG FACILITIES - GAS
Z1MA	MAINTENANCE OF EPG FACILITIES - COAL
Z1KA	MAINTENANCE OF DAMS
Z1JB	MAINTENANCE OF TESTING AND MEASUREMENT BUILDINGS
Z1ED	MAINTENANCE OF SHIP CONSTRUCTION AND REPAIR FACILITIES
Z1DA	MAINTENANCE OF HOSPITALS AND INFIRMARIES
Y1NZ	CONSTRUCTION OF OTHER UTILITIES
Y1NE	CONSTRUCTION OF WATER SUPPLY FACILITIES
Y1ND	CONSTRUCTION OF SEWAGE AND WASTE FACILITIES
Y1NC	CONSTRUCTION OF POLLUTION ABATEMENT AND CONTROL FACILITIES
Y1NB	CONSTRUCTION OF HEATING AND COOLING PLANTS
Y1NA	CONSTRUCTION OF FUEL SUPPLY FACILITIES
Y1MZ	CONSTRUCTION OF EPG FACILITIES - OTHER, INCLUDING TRANSMISSION
Y1MH	CONSTRUCTION OF EPG FACILITIES - WIND
Y1MG	CONSTRUCTION OF EPG FACILITIES - SOLAR
Y1MF	CONSTRUCTION OF EPG FACILITIES - PETROLEUM
Y1ME	CONSTRUCTION OF EPG FACILITIES - NUCLEAR
Y1MD	CONSTRUCTION OF EPG FACILITIES - HYDRO
Y1MC	CONSTRUCTION OF EPG FACILITIES - GEOTHERMAL
Y1MB	CONSTRUCTION OF EPG FACILITIES - GAS
Y1MA	CONSTRUCTION OF EPG FACILITIES - COAL
Y1KA	CONSTRUCTION OF DAMS
Y1JB	CONSTRUCTION OF TESTING AND MEASUREMENT BUILDINGS