

LONNIE J. PETERS

AREAS OF EXPERTISE:

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| Maintenance | Gas\Steam Turbines | NEMS HRSG Boilers |
| Mechanical Systems | Lm2500/6000 | Aalborg HRSG Boilers |
| Engineering | Lm2500 Controls | Nooter/ Eriksen's Boilers |
| Thermodynamics | GE Frame 7EA/FA | Alstom HRSG Boilers |
| Heat Transfer/Fluid Flow | Allison Controls | Boiler Chemical Cleaning |
| Preventive Maintenance | Calibration Procedures | Steam Chemistry |
| Pump Alignments | Electrical Systems | Procedure Writing |
| Analyze Rotating Equipment | Ship Board Systems | Leadership/Job Planning |
| Hydraulic Systems | Piping & Supports | Problem Solving |
| BOP Systems | Plant Operations | Power Plants |
| Microsoft Project 2003 | Microsoft Office | Vessel Pressure Testing |

WORK HISTORY:

2007-2008 – Project Engineer and Start-up Manager ProEnergy Services/Balkan Energy

Responsible for Mechanical inspections of all systems and Boilers, turn over packages, and with power plant start up including Boiler Feed Water, Condensate System, Flushed L/O systems, CIRC Water, Closed Cooling Water, Fuel Gas, Gas Compressors, Demin water, Potable water, Air Cooled Condenser , Service Water, Fire Protection, Duct Burners, and Ammonia System. Boiler Hydrostatic testing and Steamblows. Worked with vibration analysis equipment. The facility is a 90 Mw Combine cycle consisting of 1 Rolls Royce Trent Gas Turbines and ABB Steam Turbine Engine.

Florida Power and Light (Rev1) (06/07/ 07/07)

Outage Supervisor- worked on two major overhauls on Frame 7FA's pulled the rotor and changed out the R0-R5 blades. Supervised the overall repairs and installation on the four GE 7FA gas turbine engines on nights.

Duke Energy

Mechanical Start-up on Coal fire Scrubber (01/07-05/07)- Responsible for Mechanical inspections commissioning systems i.e. ball mills, water treatment, Scrubber and piping, Limestone handling, Slurry systems, fire system and FD blowers and oil systems. Trained the operators.

Florida Power and Light (Rev1) (10/06/-12/06)

Outage Supervisor-Baywater/ Jamaica Bay 104 Megawatts Simple Cycle- 3 engine change outs on FT-8 Pratt & Whitney Gas Turbines.

Outage Supervisor- Rise- Road Island Combine Cycle 500 Megawatts. Responsible for Mechanical inspections on 501F Siemens Gas Turbine on 2 stage blade change out.

Outage Supervisor- Blythe Combine Cycle 500 Megawatts - Responsible for Mechanical inspections of the HRSG (NEM) and Steam side. Replaced and overhauled control valves and manual valves. Worked on the Siemens Gas Turbine V 84.3. Inspected the hot gas pass, intake, generator, and exhaust for the gas turbine. Replaced tiles in the hot gas pass for the gas turbine. Supervised 3 Contractors and 11 jobs.

Outage Supervisor – POSDEF 50-Megawatt Coal Fire Fluidized Bed- Responsible for Mechanical inspections on the Boiler, Steam side, Boiler Refractory and Coal systems. Supervised 3 Contractors and 15 jobs.

Outage Supervisor- Forney Combine Cycle 1800 Megawatts - Responsible for Frame 7 FA GE Gas Turbine Combustion Can removal and replacement. Borescoping fuel lines and cooling air lines. Supervised 2 Contractors and 2 jobs.

Becancour Cogeneration Power Project (01/06-09/06)

Mechanical Start-up Engineer - Responsible for Mechanical inspections of all systems and Boilers, turn over packages, and with power plant start up including Boiler Feed Water, Condensate System, Flushed L/O systems, CIRC Water, Closed Cooling Water, Fuel Gas, Gas Compressors, Demin water, Potable water, Cooling Tower, Service Water, Fire Protection, Duct Burners, and Ammonia System. Also worked with support engineers to design new pipe supports, Boiler Hydrostatic testing and Steamblows. Worked with vibration analysis equipment. The facility is a 550 Mw Combine cycle consisting of 2 Frame 7 FA's GE Gas Turbines and Siemens Steam Turbine Engine. Indeck Package (250,000 lbs/hour) boilers commissioning.

GTAA Toronto Canada SNC-Lavalin (07/05-12/05)

Combine Cycle 117 Megawatts

Mechanical Start-up Engineer - Responsible for all the mechanical BOP systems, Steam blows, Boiler Feed Water, Condensate System, Flushed L/O systems, CIRC Water, Closed Cooling Water, Fuel Gas, Gas Compressors, Demin water, Potable water, Cooling Tower, Service Water, Fire Protection, Worked with vibration analysis equipment. Had 2 craft working for me on start-up. The facility is a 117 Mw Combine cycle consisting of 2 Lm6000 GE Gas Turbines and Siemens Steam Turbine Engine.

DRS Power Technologies (03/04-06/05)

Packaging Engineer-Responsible for design tooling, build books, gas turbine package design, Scheduling, gas turbine project package build and delivery. This project involved two Navy concept designs, including the new DDX MTG and LCS projects. Worked on the Marine MT30 Gas turbine engine. Worked with Rolls Royce on costumer design reviews.

AEP Power \ Dow Chemical for Global Service Solution

Combine Cycle 860 Megawatts and Cogeneration (10/03-03/04)

Power Plant Mechanical Owner's Representative- Responsible for Mechanical inspections of all systems and Boilers, turn over packages, and assistance with power plant start up including Boiler Feed Water, Condensate System, Flushed L/O systems, CIRC Water, Closed Cooling Water, Fuel Gas, Gas Compressors, Demin water, Potable water, Cooling Tower, Service Water, Fire Protection, John Zinc Duct Burners, and Ammonia System. Also worked with support

engineers to design new pipe supports. This Project included Four Frame 7-FAs with and one Alstom Steam Turbine 200mw.

Harquahala Generating Company PG&E for Technical Diagnostic Services

Combine Cycle 1080 Megawatts (10/02-09/03)

Mechanical Start-up Engineer - Responsible for all the mechanical BOP systems, procedure writing, assisting Siemens Westinghouse with Turbine Checkouts, Steam blows Boiler Hydro's, Chemical Cleaning, Boiler Feed Water, Condensate System, Flushed L/O systems, CIRC Water, Closed Cooling Water, Fuel Gas, Gas Compressors, Demin water, Potable water, Cooling Tower, Service Water, Fire Protection, Ammonia System, Hydrolasing Gas Piping and Steam Piping and Hydraulic L/O. Worked with vibration analysis equipment. Also worked with a helium tester to check for vacuum and air leaks. Had 38 craft working for me on start-up. The facility is a 1080 Mw Combine cycle consisting of 3 501G Siemens Westinghouse Gas Turbines and Siemens Steam Turbine engines with NEM's HRSG's.

McAdams for Power Industry Consultants (PIC) a NEPCO and TECO project.

Combine Cycle 650 Megawatts (8/02-10/02)

Mechanical Start -up Engineer - Responsible for all the mechanical BOP systems, procedure writing, was assisting GE with turbine checkouts, Flushed L/O systems, CIRC Water, Closed Cooling Water, Fuel Gas, Demin Water, Potable Water, Cooling Tower, Service Water, Fire Protection, and Hydraulic L/O. The facility is a 650 Mw Combine cycle consisting of 2 7FA GE Gas Turbines with 2 and one D-11 GE Steam Turbine Engine.

Brentwood and Shoreham for Technical Diagnostic Services\ PP&L

Simple Cycle 180/180 Megawatts (6/02-7/02)

Lead Mechanical Start-up Engineer- Responsible for all the mechanical BOP systems turn over packages; procedure writing; and assisting GE with turbine checkouts. Flushed L/O systems, Aux Cooling, Gas Blows, Gas Compressor, Demin water, Potable water, Liquid fuel, and Hydraulic L/O. Each facility is a 180 Mw simple cycle consisting of 2 Lm 6000 GE gas turbine engines.

Raccoon Creek for Power Industry Consultants (PIC)\ Azco

Simple Cycle 320 Megawatts (2/02-6/02)

Lead Mechanical Start-up Engineer-Responsible for all the mechanical BOP systems (only mechanical start-up engineer on site); turn over packages; procedure writing; and assisting GE with turbine checkouts. The facility is a 320 Mw simple cycle consisting of 4 GE 7EA gas turbine engines.

Holland Energy for Technical Diagnostic Services\Constellation

Combined Cycle 650 Megawatts (7/01-2/02)

Power Plant Electrical Owner's Representative and Construction Manager-Responsible for electrical inspections on all electrical systems and turn over packages, Full pump site start up Electrical and Mechanical. Then assistance with power plant Start-up. Work with the Power Plant's Mechanical Owner's Representative. Working with two Frame 7-FAs and one Toshiba Steam Turbine 384mw.

University Park and Handsome Lake for Technical Diagnostic Services\Constellation

Simple Cycle 300\250 Megawatts (1/01-7/01)

Lead Mechanical start-up engineer - On both job sights. Responsible for complete turbine\systems check out. Working on wire checks point to point, system alignments, 480 relay

checks, motor start-up and I/C start-up. Working and operating eleven FT8 twin Pac Pratt & Whitney Gas Turbines. Training Plant operators on the Gas Turbines and Systems. System checks including demin\raw water, gas system from Gastech Engineering Corporation, hydraulic systems for the FT8 gas turbines, gas\air\hydraulic\lube oil\water flushing and pressure testing, and air systems for the plants. Working on the controls for the FT8 gas turbines and sub-systems.

**Rumford Power for Energy Management Inc./ Calpine
Combined Cycle Power Plant 265 Megawatts (5\1\00-12\15\00)**

Plant Engineer- Responsible for assistance of electrical\mechanical construction engineers, job schedules, procedure writing, punch lists, maintenance of gas (Frame 7FA) and GE D-10 steam turbine, outage coordination, set up\worked with contractors, stand by for plant manager, and general plant oversight. Worked with start-up engineers and was the turn over package coordinator. Assisted with gas turbine engine inspections including intakes\uptakes. Worked on Air-cooled condensers and pipe hydrodynamics with water\air for the steam, air, and gas pipes including boiler tubes. Closed cooling, boiler feed pumps, Ammonia systems inlet cooler and scr. Steam blows and flushes. Worked with vibration analysis equipment CSI 5300 series and maximo Maintenance software.

United States Navy

Recruit Division Commander- (1998-2000)

Responsible for basic military training of up to 96 recruits per division. Including teaching, managing, counseling and disciplining.

Gas Turbine Systems Electrical Technician- (1990-2000)

7 combined years experience aboard three navy ships including specialized training in mechanical/electrical parts of the Lm2500 and Allison 501-k34/k17 and Full Turbine Change Out.

Able to operate, troubleshoot, teach, and repair electrical/mechanical and electronic parts of the gas turbine engines, generators, subsystems, and controls.

Able to repair and change out compressor blades on Lm2500 and Allison 501-k34/k17 and burner cans on the Allison 501-k34/k17.

Able to calibrate Lm2500 and the Allison 501-k34/k17 controls

Able to do a full Lm2500 and Allison 501-k34/k17 change out.

Worked on Lm2500 and Allison 501-k34/k17 fuel and lube oil system.

Able to do a full inspection of gas turbine compressor, hp section, and power turbine using bore scope.

Worked on triple s clutches.

Able to calibrate, troubleshoot, and repair pressure\temp transducers and gauges.

Qualified as Engineering Officer of the Watch (EOOW). (1996)

Supervisor in the Propulsion and Electrical Plants. (1993-2000)

Able to troubleshoot and repair circuit breakers, switchgears, and bus tiebreakers.

Able to troubleshoot and repair motor phase rotation and motor resistance.

Worked with test equipment including meggers, voltage meters, and circuit board testing equipment.

Able to maintain and repair (UPS) uninterrupted power supply, motor controllers, switchboards, motor relays, operate and repair Gas Turbine and Diesel Generators.

EDUCATION & TRAINING:

Schools

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| Gas Turbine Electrical Systems A&C Schools | Great Lakes, IL 1993 Certificate |
| Electrical School A&C | Great Lakes, IL 1993 Certificate |
| Electronic Circuit Card Repair & Soldering School | Norfolk, VA 1992 Certificate |
| Quality Assurance Inspector/ Supervisor Training | Norfolk, VA 1998 Certificate |
| Instructor Training | Norfolk, VA 1998 Certificate |
| Recruit Division Commander Training | Great Lakes, IL 1998 |

| GAS Turbine Training | Steam Turbine Training |
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| Rolls-Royce Gas Turbine Training | ABB Steam Turbine Training |
| GE 7EA/FA Gas Turbine Training | Toshiba Steam Turbine Training |
| GE Lm2500/6000 Gas Turbine Training | GE D-10 Steam Turbine Training |
| Westinghouse 501G Gas Turbine Training | GE D-11 Steam Turbine Training |
| Allison 501-k34/k17 Gas Turbine Training | Siemens Steam Turbine Training |
| FT8 Pratt & Whitney Gas Turbine Training | Alstom Steam Turbine Training |