

Experience List

Steam Turbine Projects List

Pfizer, Inc-Groton, CT

- Unit 3 Retrofit
 - GE 10 MW DAXC Condensing Upgrade Unit for More Power, Generator Rewind, Controls Upgrade
 - Major Inspection of GE 10 MW DAXC Steam Turbine Generator
 - Conversion from DAXC to SNC Operation
- Unit 1
 - Major Inspection OF GE 2 MW SNC Steam Turbine Generator
- Unit 2
 - Major Inspection of GE 3 MW SNC Steam Turbine Generator
- Unit 4
 - Rebuild of Reapplied GE SAXC 15 MW Steam Turbine Generator and Installation
- Unit 5
 - Reapplication of GE 9 MW SAXNC Steam Turbine Generator
 - Unit 5-Major Inspection Bid Prep

Wheelabrator Technologies, Inc.

- Unit 1 Saugus, MA
 - (2) Major Inspections-GE 60 MW Straight Condensing Steam Turbine Generator
 - Last stage blade retrofit evaluation
- Unit 1 North Andover, MA
 - Major Inspection of- GE 45 MW Straight Condensing Steam Turbine Generator
- Unit 1- Bridgeport, CT
 - Major Inspection-GE 50 MW Straight Condensing Steam Turbine Generator
 - Flow/Power upgrade
- Unit 1-Millbury, MA- Major inspection-GE 50 MW Straight Condensing

Taunton Municipal Light-Cleary Station

- Unit 8
 - Minor Inspection- GE 20 MW Straight Condensing
- Unit 9
 - Major Inspection- GE 70 MW Single Flow Reheat Condensing

Steam Turbine Projects List (continued)

International Paper, Jay ME

- Major Inspection of Unit 1 GE Steam Turbine Generator
- Major Inspection of Unit 2 GE Steam Turbine Generator
- Major Inspection of Unit 3 GE Steam Turbine Generator
- Minor Inspections of (3) GE Steam Turbine Generators

Federal Paperboard-Versailles, CT

- Major Inspection- GE 20 MW DAXC Steam Turbine Generator
- Flow/Power Upgrade, Generator Replacement and Controls Upgrade

Champion Paper-Bucksport, Maine

- Unit 3 Major Inspection of GE 72 MW DAXC Steam Turbine-Generator

SAPPI, Skowhegan, ME

- Unit 1 Major Inspection DE DAXC 48 MW
- LP section moisture erosion study and evaluation

SD Warren Westbrook, ME

- Major Inspection of Elliot 10 MW SNC Steam Turbine Generator
- Minor Inspection of (2) GE Steam Turbine Generators

Oahu Sugar, Hawaii-

- GE DAXC to SC conversion and upgrade for power generation

HuHonua Bioenergy

- Upgrade Delaval 20 MW extraction steam turbine generator

Scott Paper-Winslow, ME

- Installation of GE 16 MW DAXC Steam Turbine Generator
- Major Inspection of GE 16 MW DAXC Steam Turbine Generator

Maine Energy Recovery Co- Biddeford, ME

- Major Inspection of GE 21.5 MW Straight Condensing Steam Turbine Generator

Steam Turbine Projects List (continued)

Penobscot Energy Recovery Co-Orrington, ME

- Major Inspection of GE 20 ME Steam Turbine Generator
- 20" LSB upgrade

Woodland Pulp-Woodland, ME

- Failure investigation and rebuild of 26 MW GE SNC Steam Turbine Generator

Boston Edison-Mystic Station, Everett, MA

- Unit 7
 - Major Inspection of GE 617 MW G-2 Reheat Steam Turbine Generator
- Unit 4
 - Major inspection of GE 150 MW GE Reheat Steam Turbine Generator

Boston Edison- New Boston Station-South Boston, MA

- Unit 2
 - Major inspection of GE 360 MW G-2 Reheat Steam Turbine Generator

Salem Harbor Station

- Unit 4
 - Minor inspection of GE 433 MW G-6 Steam Turbine Generator
- Unit 3
 - Minor inspection of GE 150 MW Steam Turbine Generator

Seabrook Nuclear Power Plant-Seabrook, NH

- (2) Major Inspections of GE N2R 1300 MW Nuclear Steam Turbine Generators

Gillette-South Boston, MA

- Major Inspection-Unit 1 7 ME GE SAXC Steam Turbine Generator

Veolia-MATEP-Boston, MA

- Major inspection of 11 MW GE SAXC Steam Turbine Generator

Steam Turbine Projects List (continued)

SEMASS-Rochester, MA

- Unit 1
 - Major Inspection of 54 MW GE SC Steam Turbine Generator

Sterling Energy-Sterling, CT

- Installation of 31 MW GE SC Steam Turbine Generator at Tire Burning Facility

Federal Paperboard- Versailles, CT

- Major Inspection of GE 20 MW DAXC Steam Turbine Generator
- Steam turbine upgrade, controls and re-applied generator installation

St Gobain-Worcester, MA

- Major Inspection of (2) GE Steam Turbine Generators

MassPower, Indian Orchard, MA

- Combustion Inspection of (2) GE 7EA Gas Turbines

Nassau Energy- Nassau County, NY

- Operator training course for GE 16 MW SAXC Steam Turbine Generator

Old Town Pulp and Paper- Old Town, ME

- Major Inspection of GE SNC Steam Turbine Generator
- Major Inspection of Elliot SNC Steam Turbine Generator
- Major Inspection of Worthington 10 MW SAXNC Steam Turbine Generator
- Failure investigation and Rebuild of Worthington SAXNC Steam Turbine Generator

Whitefield Power and Light- Whitefield, NH

- (2) Major Inspections on GE 16 MC SC Steam Turbine Generator
- Flow/Power Upgrade from 16-19 MW's

Hemphill Power and Light-Springfield, NH

- Major Inspection on GE 16 MC SC Steam Turbine Generator
- Flow/Power Upgrade from 16-19 MW's

Steam Turbine Projects List (continued)

Fukushima Nuclear Power Station-Fukushima Japan

- Scheduling and Project Planning for 460 MW GE Nuclear Steam Turbine (2) LP Section replacements

Tsuruga Nuclear Power Station-Tsuruga, Japan

- Scheduling and Project Planning for Unit 1 GE 357 MW Nuclear Steam Turbine (2) LP Section Upgrade/Replacements

Bradford Dying Association-Westerly, RI

- Major Inspection for Delaval Steam Turbine Generator

Middletown Power Station-Middletown, CT

- Major Inspection on GE Boiler Feed Pump Turbine

Central Maine Power-Cousins Island, ME

- Unit 4
 - Minor Inspection of 630 MW GE G-2 Reheat Steam Turbine Generator
 - Major Inspection on Unit 4 GE Boiler Feed Pump Turbine

AES Thames -Montville, CT

- Minor Inspection of 150 MW Toshiba Reheat Steam Turbine Generator

Re-Energy- Stratton, ME

- Owners Engineer for Major Inspection of 47 MW MHI SC Steam Turbine Generator

United Illuminating-Bridgeport Harbor, Bridgeport, CT

- Major Inspection for (2) GE Boiler Feed Pump Turbines

Brayton Point Power Station-Fall River, MA

- Major Inspection for GE Boiler Feed Pump Turbine

Kraft Atlantic Gelatin-Woburn, MA

- Major inspection of GE 7.5 MW SNC Steam Turbine Generator

Steam Turbine Projects List (continued)

Bangor Hydro Electric-Veazie, ME

- Major Inspection-Unit 4- GE 19 MW Straight Condensing Steam Turbine Generator

University of Massachusetts-Amherst, MA

- Major Inspection of (2) GE SNC Steam Turbine Generators

Ocean State Power-Burrillville, RI

- Multiple Minor Inspections on (2) GE 100 MW SC Steam Turbine Generators

Finch Pruyn-Glens Falls, NY

- Minor Inspection for GE 13 MW SAXC Steam Turbine Generator

General Electric Co.- Schenectady, NY

- Major Inspection of GE 10 MW DAXC Steam Turbine Generator

Steam Turbine Engineering/Engineered Re-rate Projects List

Vermont Yankee Nuclear Power Co.-Vernon, VT

- (2) LP Section Replacements for GE 550 MW Nuclear Steam Turbine Generator- First Ever Replacement for Nuclear LP Sections in Industry
- Project Manager for Project Staging
- Turbine Centerline Engineer for Installation
- Project Completed in 35 days-1 week Early
- Project Manager for Project Demobilization and Radioactive Parts Removal & Storage

Pfizer, Inc-Groton, CT

- Unit 3 Retrofit- GE Double Auto Extraction Condensing Upgrade Unit for More Power, Generator Rewind, Controls Upgrade
- Unit 4- Rebuild and Engineered Application of GE SAXC 15 MW Unit
- Unit 5- Engineered Reapplication of GE 9 MW SAXNC unit

Wheelabrator Technologies, Inc

- Unit 1- Bridgeport, CT-Engineered Flow/Power upgrade

Oahu Sugar, Hawaii

- GE DAXC to SC conversion and upgrade for power generation

HuHonua Bioenergy-Hawaii

- Engineered Flow/Power Upgrade Delaval 20 MW Extraction Steam Turbine Generator

Federal Paperboard-Versailles, CT

- Engineered Flow/Power Upgrade, Generator Replacement and Controls Upgrade

Penobscot Energy Recovery Co-Orrington, ME

- 20" LSB Upgrade

Whitefield Power and Light- Whitefield, NH

- Engineered Flow/Power Upgrade of GE SC Steam Generator from 16 to 19 MW's

Steam Turbine Engineering/Engineered Re-rate Projects List (continued)

Hemphill Power and Light-Springfield, NH

- Engineered Flow/Power Upgrade of GE SC Steam Turbine Generator from 16 to 19 MW's

Winalco-Jamaica, WI

- Failure Repair and Power Upgrade Of Worthington SNC Steam Turbine Generator

Georgia Pacific-Monticello, MS

- LP Section Flow Upgrade of 40 MW GE DACX Steam Turbine Generator

Mead Paper-Escanaba, MI

- Engineered Upgrade, New Steam Path, Power Upgrade & Controls Upgrade of GE DAXC 15 MW

Greenville Steam, Greenville, ME

- Engineered Upgrade of 16 ME GE Straight Condensing Steam Turbine Generator

Re-Energy- Ashland, ME

- Extraction Steam Modification Study for 47 MW MHI SC Steam Turbine Generator

Domtar Paper- Ashdown, AR

- Engineered Upgrade of GE 20 MW SAXNC steam turbine generator

PCA-Filer City, MI

- Engineered Flow/Power upgrade/extraction modification to GE 20 MW DAXC ST Gen.

Chevron-Cedar Bayou, TX

- Engineered Flow/Power Upgrade Of (3) GE Mechanical Drive Turbines

University of Michigan-Ann Arbor, MI

- Engineered Upgrade of (3) 12.5 MW Worthington Steam Turbine Generators

Steam Turbine Engineering/Engineered Re-rate Projects List (continued)

Westlake Chemical, Lake Charles, LA

- Engineered Upgrade of GE Mechanical Drive Steam Turbine

Sewerage and Water Board of New Orleans-New Orleans, LA

- Engineered Flow/Power & Efficiency Upgrade of 1919 Vintage GE Straight Condensing STG GP Toledo, OR
- Engineered Reapplication of 2 Used Units from Natchez, MS to Toledo, OR Site

Georgia Pacific-Green Bay, WI

- Replacement of Failed Westinghouse Unit with Reapplied and Upgraded 28 MW GE SC STG

Wausau Paper, Groveton, NH

- Engineered Upgrade and Backpressure Conversion of GE 2 MW Steam Turbine Generator

Domtar Paper-Nekoosa, WI

- Engineered Upgrade of GE 13 MW SAXNC Steam Turbine Generator

AED-Beaverwood-Chester, ME/Red Rocks Biofuel-Lakeview, OR

- Sold GE 20 MW Straight Condensing Axial Exhaust STG set for owner
- Engineered upgrade for reapplication to new site
- Engineered reapplication and upgraded controls

Resolute Forest Product-Coosa Pines, AL

- Engineered Reapplication and Upgrade for Turbodyne 25 MW SAXC STG

Rock-Tenn-Demopolis, AL

- Replacement of Failed Unit and Engineered Reapplication of GE Steam Turbine Generator

Interstate Paper-Riceboro, GA

- Engineered Upgrade of GE 12.5 MW SAXNC Steam Turbine Generator

Equistar-Lake Charles, LA

- Engineered Conversion of GE SC Steam Turbine Generator to Backpressure Operation of GE

Steam Turbine Engineering/Engineered Re-rate Projects List (continued)

Kathadin Paper- Millinocket, ME

- Engineered De-rate and Efficiency Upgrade of GE 48 MW SNC Unit

Pertamina-Indonesia

- Multiple Steam Turbine Upgrades for Multiple Trains of GE Mechanical Drive ST

Simply Incredible Foods-Menasha, MI

- Pre-owned Unit Study and Owners Engineer for D-R 7 MW SNC Steam Turbine Generator

Green Island Hydro-Troy, NY

- Failure Analysis and Redesign for Hydro Turbine Coupling

Steam Turbine Installation Management Projects

- City of Hamilton-Hamilton, OH-GE 25 MW SAC Steam Turbine Generator
- Glatfelter Co -Spring Grove, PA- GE 39 MW DAXC Steam Turbine Generator
- Orange Cogen -Bartow, FL-GE 29 Mw SAXC Steam Turbine Generator
- Union Gas Ltd- Windsor, Ontario- GE 30 Mw SAXC Steam Turbine Generator
- Dead Sea Works, Ltd -Sdom, Israel – GE 52 Mw SC Steam Turbine Generator
- Kissimmee Utility Authority-Cane Island, FL- GE 43 MW SC Steam Turbine Generator
- Michigan Power-Ludington, MI- GE 58 MW DAXC Steam Turbine Generator
- Shell Oil- Martinez, CA- GE 20 MW SAXNC Steam Turbine Generator
- ORMAT Energy- Leyte, Philippines-(4) GE 28 MW SC Geothermal Steam Turbine Generators
- Air Products and Chemicals- Los Angeles, CA-GE 25 MW DAXC Steam Turbine Generator
- City of Medicine Hat- Medicine Hat, Alberta- GE 36 MW SAAC Steam Turbine Generator
- SIGECO- Culley Power Station- Newburgh, IN- GE 60 MW SC Steam Turbine Generator
- Dow Chemical-Terneuzen, Netherlands – GE 101 MW SC Steam Turbine Generator
- Sierra Pacific Power-Tracy Station, Storey County, NV- GE 46 MW SC Steam Turbine Gen
- TVA- Johnsonville, TN- GE 15 MW SNC Steam Turbine Generator
- ADM- Decatur, IL- GE 75 MW SNC Steam Turbine Generator
- Kingston Cogen- Kingston, Ontario- GE 45 MW SAXC Steam Turbine Generator
- INTEX- Fujian, China – GE 38 MW Steam Turbine Generator
- Northland Power-Iroquois Falls, Ontario- GE 35 MW SAXC Steam Turbine Generator
- Fraser Paper-Edmundston, New Brunswick- GE 41 MW DAXC Steam Turbine Generator
- Magma Power Co- Niland, Ca- GE 50 MW Geothermal Steam Turbine Generator
- Proctor & Gamble, Sacramento, CA- GE 45 MW SAAXC Steam Turbine Generator
- Edison Mission-Kwinana, Australia- GE 43 MW SAXC Steam Turbine Generator
- Chevron Chemical- El Segundo, CA- GE 9 MW SNC Steam Turbine Generator
- Sithe Energies- Smithfield, Australia- GE 50 MW SAXC Steam Turbine Generator
- Cherokee County Cogen- Gaffney, SC- GE SAXC Steam Turbine Generator

Steam Turbine Installation Management Projects (continued)

- SCECO-PP9-Riyadh, Saudi Arabia- (4) GE 108 MW SNC Steam Turbine Generators
- Tuntex - Fuzhou, China- GE 37 MW SAXC Steam Turbine Generator
- BHP Power-Glenbrook, NZ- GE 70 MW SAXC Steam Turbine Generator
- Thomassen-CHP- GE 50 MW SC Steam Turbine Generator
- KEPCO-Hallim, Korea- GE 40 ME SC Steam Turbine Generator
- City of Medicine Hat-Medicine Hat, Alberta- GE 33 MW SAXC Steam Turbine Generator
- IBIL Energy Systems-Kutch-Garat, India- GE 26 MW SAXC Steam Turbine Generator
- SCE&G- Charleston, SC- GE 100MW SC Steam Turbine Generator
- Wenzhou-Catic-Dragon Bay, China- GE 100MW SC Steam Turbine Generator
- SARLUX Spa.- Sarroch, Italy- (3) GE 61 MW SC Steam Turbine Generators
- Portside Energy Corp- Portage, IN- GE 23 MW SAXNC Steam Turbine Generator
- Petro Power Ltd.-Talchuno, Chile- 75 MW SAXC Steam Turbine Generator
- AP-Gas- Vijjeswaram, India- GE 70 MW SAXC Steam Turbine Generator
- United Phosphorus-Jhagdia-Gujarat, India- GE 21 MW SAXC Steam Turbine Generator
- Rotokawa Generation-Rotokawa, New Zealand- GE 14 MW SC Geothermal Steam Turbine Generator
- PNOC-Leyte, Philippines- GE 16 MW SC Geothermal Steam Turbine Generator
- Renusagar Power Co.- Renusagar, India- GE 78 MW SC steam Turbine Generator
- EneMalta- Delimara, Malta- GE 38 MW SC Steam Turbine Generator
- AK-Enerji- Bozuyuk, Turkey GE 40 MW SC Steam Turbine Generator
- Bangkok Cogeneration-Map Ta Phut, Thailand- GE 40 MW SAXC Steam Turbine Generator
- Union Camp Corp.- Savannah, GA- GE 60 ME SAXC Steam Turbine Generator
- EGAT- Saraburi, Thailand- GE 50 MW SC Steam Turbine Generator
- Alabama Power Co- Burkville, AL- GE 50 MW SC Steam Turbine Generator
- TEPCO- Ibaraki, Japan – GE 60 MW SC Steam Turbine Generator
- Coke Energy-Indiana Harbor Works- GE 95 MW SAXC Steam Turbine Generator
- KEPCO-Bukcheju, Korea- (4) GE 79 MW SCSF Reheat Steam Turbine Gens for 107FA CC Plant

Steam Turbine Installation Management Projects (continued)

- KEPCO- Taean, Korea- (4) GE Boiler Feed Pump Turbines
- KEPCO- Ulchin, Korea- (4) GE 14,000 HP Boiler Feed Pump Turbines
- KEPCO- Hadong, Korea- (12) GE Boiler Feed Pump Turbines
- KEPCO- Samchonpo, Korea- (4) GE Boiler Feed Pump Turbines
- KEPCO- Tangjin, Korea- (8) GE 11,000 HP Boiler Feed Pump Turbines
- KEPCO- Wolsong, Korea- (4) GE Boiler Feed Pump Turbines
- Shandong Power Authority- Zouxian, Shandong, China- (4) GE 8,600 HP Boiler Feed Pump Turbines
- Egypt Elec Authority-El Kuriemat – (4) GE Boiler Feed Pump Turbines
- Dong Fang Elec Corp- Ezhou, China- (2) GE 9,000 HP Boiler Feed Pump Turbines
- PLN-Paiton, Indonesia- (4) GE Boiler Feed Pump Turbines
- EPDC- Tachibana Bay, Japan- (2) GE Boiler Feed Pump Turbines
- SONATRACH- Arzew, Algeria- (18) GE 40,000 HP Mechanical Drive Steam Turbines
- CALTEX Oil Corporation, Map Ta Phut, Thailand- (2) GE 15,000 HP mechanical Drive Steam Turbines
- Pertamina- Indonesia- Train G, (3) GE Mechanical Drive Steam Turbines
- Pertamina- Indonesia- Train H, (3) GE Mechanical Drive Steam Turbines
- Westlake Petrochemical-Lake Charles, LA- (2) GE mechanical Drive Steam Turbines
- Novacor Chemical- Corunna, Ontario- GE Mechanical Steam Turbine