

PROCON



....engineering your dreams.

PROCON ENGINEERS

(Division of NIMOTO Consulting Engineers Pvt. Ltd.)

24-26, Shreeji Arcade, 1st Floor, Mahapalika Marg, Panchpakhadi, Thane (West). Mumbai - 400 602. India.

Tel.: 022- 2538 9601 **Fax:** 022- 2538 9685 **E-mail:** projects@proconengineers.org

Visit us at: www.proconengineers.org

Welcome to PROCON

RICH & DIVERSE EXPERIENCE → Established in 1995, Procon is today one of the leading organizations providing consultancy services for various types and sizes of Power Plants. Our association with one of World's Top 10 Engineering organization for Power Plant Projects provides us the edge in providing engineering solutions for power plants of various fuels (thermal, hydro, biomass, renewable), sizes (right from 5MW to 2250MW), technologies and geographies (India, Europe, Middle East and South East Asia)..

Our Strength.....OUR PEOPLE → the organization is led by professional consulting engineers having rich experience in the fields of engineering, procurement and implementation of various projects in India and abroad. Experience of senior engineers is augmented by young leaders well-versed with the latest technologies and trends.

Addressing all Power requirements...UNDER ONE ROOF → With a well qualified team in the basic disciplines of Process, Civil, Mechanical, Electrical, Controls/Instrumentation we provide services in Basic and Detailed Engineering, Procurement Assistance, Third Party Inspection, Construction and Commissioning Supervision, Hazard and Operatability (HAZOP) Studies, Energy Conservation Studies, Energy Audit and Benchmarking , Operation and Maintenance and Plant Betterment consultancy services.

Quality and Efficiency... Our DNA → One of the cornerstones of our success has been the strict adherence to various process and design standards. This has helped us provide efficient and quality service to our esteemed clients.

We are Engineering...YOUR DREAMS → We believe every successful project starts with a dreama dream which is pursued not only with dexterity but with a passion to achieve the stretched goals. And over the years it has been this perfect combination of capability and passion which has enabled us to help our clients realize their dreams.

Basic Engineering Services

Power Projects

- Selection of Fuel
- Selection of power plant cycle and basic type of equipment
- Heat and Mass Balance
- Selection of type and size of power plant equipment i.e. Steam Generators, Steam Turbine Generators, Gas turbine generators, Gas Engines, Diesel engines etc.
- Selection of size and type of Material Handling systems (Fuel, Ash, Water) as applicable based on type of power plant cycle / equipment
- Selection of size and type of various auxiliary systems / equipment e.g. compressed air system, Fire protection system.
- Conceptualization of power evacuation system and power distribution system depending upon type and operating philosophy of Power Plant.
- Conceptualization of Instrumentation and Controls requirements
- Conceptualization of Civil and Structural works requirement
- Estimation of project cost and unit generation cost
- Feasibility report for Power plant
- Detailed Project Report

Detailed Engineering Services

Power Projects

Mechanical

- Plot Plan and Equipment Layouts for various buildings and areas
- Selection and specifications of Power Plant Equipment like Steam generator and auxiliaries, Steam turbine Generator and auxiliaries, Gas turbine generator and auxiliaries, Gas engine generator and auxiliaries, Diesel Engine generators and auxiliaries.
- Design and specification of fuel storage and handling system.
- Design and specification of Ash handling system.
- Design and specifications of Water systems, Compressed air system, HVAC system, Misc. material handling system.
- Design of P &I Diagrams for Feed water, Steam and Condensate system; Raw water and water treatment systems; Cooling water system; Fuel handling system; Compressed air system.
- Piping Design and Drawings including piping material specifications, layout drawings, isometrics, stress analysis, bill of materials, pipe supports etc.
- Design specifications for Fire Protection Equipments /Systems.

Electrical

- Design of power evacuation system.
- Estimation of auxiliary power (Normal and Emergency).
- Design of High Tension and Low Tension power distribution system.

- Design / Sizing and specification of Electrical equipments like Transformers, Switchgear (H. T. & L. T.), Cables, Lighting fittings etc.
- Electrical system study including Relay Co-ordination.
- Design and specification of Variable Speed Drives for special applications.
- Design and specifications of various service systems like Plant Communication, Fire Alarm and Detection.

Instrumentation

- Design and specifications of Instrumentation and Control Systems including PLC, SCADA, DCS.

Architectural, Civil & Structural

- Architectural, Civil and Structural design including estimation of quantities for tender document, tender document for civil and structural works, plot development, drawings for statutory approvals and construction drawings for all buildings / areas,

Procurement

- Procurement assistance to client i.e. Floating the enquiries to selected Bidders, Receiving Bids, Bid analysis (Technical and Commercial), Purchase recommendation, Preparation of Contract documents, Review of Vendors' Drawings etc.

General

- Project schedules and Cost estimates.
- Hazard and Operatability (HAZOP) Study.
- Technical assistance to meet statutory requirements including drawings and documents.

Inspection and Expediting Services

- Review of Quality Assurance Plans (QAPs).
- Visiting Vendors' works for inspection and expediting.
- Inspection and expediting reports.

Construction and Commissioning Supervision Services

- Complete site supervision and management by deputing competent Project Manger / Construction Manager and supporting staff at site. The responsibilities shall include:
 - Quality of construction / erection work.
 - Planning and controlling the Construction / Erection work to meet the project schedule.
 - Reporting to design office the site progress with short falls, if any, and corrective measures.

Operation and Maintenance

- Operation and Maintenance of the complete power plant with the agreed PLF
- The scope of work can include spares contract also.
- Complete plant operation and maintenance is managed by a dedicated team right from general manager to assistants.
- We have experience of operation and maintenance of plants of various sizes.

Energy Audits and Benchmarking Services

- In today's continuously changing industry it is imminent to benchmark oneself with the best.
- Procon helps organizations benchmark their Power Plants against the best in the industry around the globe.
- With knowledge across industries and sizes of power plant, Procon is the best equipped consultant for comparing the key performance indicators (KPIs) of your Power Plant against the best.
- Our scope of work includes, collecting the operational data based on the inputs from client and visits to plants and submitting a detailed comparison report on various KPIs broadly divided among technical, financial, process orientation and safety.
- Based on this study and report, Procon can work with clients for Plant Betterment Projects.

Rich experience in diverse areas

Some of our clients...

POWER

- Baroda Rayon Corporation Ltd., Udhna.
- The National Newsprint and Paper Mills Ltd., Nepanagar
- Hindustan Petroleum Corporation Ltd., Bombay
- Bias Ltd. Brora
- Shri Ram Kota
- Haryana State Electricity Board, Panipat.
- Bongaigaon Refinery and Petrochemicals Ltd., Bongaigaon.
- Steel Authority of India Ltd., Rourkela.
- Maharashtra State Electricity Board.
- Ahmedabad Electricity Co.
- Punjab State Electricity Board
- Associated Cement Companies
- Rashtriya Chemicals & Fertilizers Ltd., Thal.
- Century Spinning (Nigeria) Ltd., Lagos.
- Dhar Cement Ltd., Indore
- ABG Cement Ltd., Gujarat
- Batliboi Ltd.
- EMPPEE Group, Madras
- Caldyn Thermowir Pvt. Ltd.
- Bombay Dyeing & Mfg. Co., Patalganga
- Baliraja Sugar Factory Ltd.,
- Thermax Ltd., Pune
- Infrastructure Leasing & Financial Services Ltd., Mumbai
- Surat Super Yarn Park Ltd., Surat
- Balkrishna Paper Mill, Ambivali
- Vraj Integrated Textile park Ltd., Ahmedabad

Come...

...engineer your dreams with us.

PROCON'S EXPERIENCE ASSETS :POWER PROJECTS.

Owner/Location	Project Description
Harayana State Electricity Board, Panipat.	2 x 110 MW Panipat Thermal Power Station - I Fuel : Coal
Bongaigaon Refinery and Petrochemicals Ltd., Bongaigaon.	3 x 16 MW Co-Generation Plant. Fuel : F.O.
Ahmedabad Electricity Co.	1 x 110 MW Unit No. D Fuel : Coal
Obra Thermal Power Station	5 x 200 MW Fuel : Coal
Punjab State Electricity Board	2 x 110 MW Bhatinda Thermal Power Station Fuel : Coal
Steel Authority of India Ltd., Rourkela.	2 x 60 MW Captive Power Plant for Rourkela Steel Plant. Fuel : Coal
Khamam Chemical Refinery	3 x 30 MW Co-Generation Plant. Fuel : Coal
The National Newsprint and Paper Mills Ltd., Nepanagar	12.7 MW Co-Generation Plant. Fuel : Coal
Hindustan Petroleum Corporation Ltd., Bombay	10 MW Co-Generation Plant Fuel : Gas
Maharashtra State Electricity Board.	Operation and Maintenance of : - 2 x 140 MW units at Nashik Thermal Power Station - 1 x 60 MW Bhusaval Thermal Power

Owner/Location	Project Description
	Station. - 2 x 30 MW Parali Thermal Power Station. - 1 x 30 MW Paras Thermal Power Station.
Caldyn Thermowir Pvt. Ltd.	2.6 MW Heat Recovery Based Power Plant at Shree Cement Ltd., Beawar Heat Recovery based Power Plant
Caldyn Thermowir Pvt. Ltd.	Brief specifications and cost estimate for 3 MW Heat Recovery based Captive Power Plant Specifications.
Dhar Cement Ltd., Indore	2.6 MW Heat Recovery Based Captive Power Plant.
ABG Cement Ltd., Gujarat	30 MW Captive Power Plant (6 x 6 MW DG Sets, 30 MW Naphtha / Gas based combined cycle and 2 x 15 MW TG sets). - Feasibility Report.
Batliboi Ltd.	10 MW TG Set - Pre-tendering services.
Batliboi Ltd.	28 MW TG Set - Pre-tendering services.
EMPPEE Group, Madras	110 MW (5 x 20 MW) DG Sets Power Plant - Pre-Tendering Services.
Bombay Dyeing & Mfg. Co., Patalganga	Feasibility Study for Co-generation plant for DMT Plant at Patalganga. Fuel : Coal / F.O.
Blax Ltd. Barjora	3 x 1000 KVA Diesel Engine Generator Sets.
Century Spinning (Nigeria)	3 x 1000 KVA DG Sets.
Rathi Steel & Alloy Ltd.	3 x 1000 KVA DG Sets.

Owner/Location	Project Description
Hindustan Photo Films Ltd.	2 x 1.6 MW DG Sets.
Jindal Iron & Steel Ltd.	2 x 3.75 MW DG Sets.
Modi Alkalies and Chemicals Ltd.	2 x 6 MW DG Sets.
Associated Cement Cos.(ACC)	Trouble shooting report for captive power Plant for cement plant at Kymore.
Rashrtiya Chemicals & Fertilizers Ltd., Thal.	Checking Turbine Generator protection And suggest modifications / remedial measures to avoid frequent trippings 15 MW TG sets.
DCW Ltd.	1 x 6 MW DG Set.
Gujarat Nylon Ltd.	2 x 2250 kVA DG Sets.
Narmada Cement Ltd.	1 x 6 MW DG Set.
Baroda Rayon Corporation Ltd., Udhna.	Techno - Commercial report on study of existing Boilers, 2 X 5 MW Turbine Generators & auxiliary systems, Selection of Capacity & Type of New Boiler and augmentation of auxiliary systems for Power Plant.
Shri Ram Kota	Feasibility Report and Brief Specifications for 10 MW Captive Power Plant. Fuel : Coal
Baroda Rayon Corporation Ltd., Udhna	Basic and Detailed Engineering of 50 Te/Hr Fluidized Bed Boiler and Auxiliary Systems including expansion of Auxiliary Systems for existing 2x5 MW Steam Turbine

Owner/Location	Project Description
	Generators. Fuel : Coal
Baroda Rayon Corporation Ltd.	1 X 7.5 MW Extension of Captive Power Plant. Fuel : Coal
Baliraja Sugar Factory Ltd.	1 X 10 MW Co-Generation Plant Fuel : Biomass
Thermax Ltd., Pune	2 X 18 MW Captive Power Plant Fuel : Coal
Infrastructure Leasing & Financial Services Ltd., Mumbai (Gujarat Eco Textile Park)	12 MW Captive Power Plant Detailed Project Report (DPR) and Detailed Engineering. Fuel : Gas. Steam generation by Heat Recovery
Surat Super Yarn Park Ltd., Surat	20 MW Captive Power Plant Fuel : Coal
Balkrishna Paper Mill, Ambivali	4.5 MW Co-Generation Power Plant Fuel : Coal
Vraj Integrated Textile Park Limited	5 MW Co-Generation Power Plant Fuel : Coal
Kishangarh Hi-Tech Textile Park Ltd.	10 MW Captive Power Plant Fuel : Coal + Biomass
UTICO, U.A.E.	20 MW Captive Power Plant Fuel : Gas
Reliance Industries Ltd.	10 MW Captive Power Plant Fuel : Biomass

Experience Assets of Associated World's Top 10 Power Plant Engineering firm:

OWNER/LOCATION	PROJECT DESCRIPTION
AES/Lake Worth Generation, LLC Lake Worth, Florida	Engineer, Procure, Construct, Startup Repowering to 240 MW Combined Cycle Power Plant
Saskatchewan Power Corp. Saskatoon, Saskatchewan, Canada	Engineer, Procure, Construct, Startup 145 MW Repowering Project Thermal Power Generating Plant
Manx Electricity Authority Isle of Man, England	Engineer, Procure, Construct, Startup 75 MW Combined Cycle Power Plant
Westcoast Power Washington	Engineering Services 240 MW Combined Cycle Power Plant
Cogentrix Energy, Inc./Green Country Energy, LLC Jenks, Oklahoma	Engineer, Procure, Construct, Startup 825 Combined Cycle Power Plant
Eletrobolt/ESA Sociedade Rio de Janeiro, Brazil	Engineer, Procure, Construct, Startup 386 MW Combined Cycle Peaking Power Plant
Island Cogeneration Project Island Cogeneration Limited Partnership Campbell River, British Columbia, Canada	Engineering Services, Construction Review 254 MW Combined Cycle Power Plant
Black Hills Corporation Colorado Springs, Colorado	Engineer, Procure, Construct, Startup 240 MW Simple Cycle Peaking Power Plant
Goldman Sachs Linden, New Jersey	Engineer, Procure, Construct 172 MW Cogeneration Plant
Austin Energy Austin, Texas	Engineer, Procure, Construct, Startup 170 MW Simple Cycle Power Plant
Allegheny Energy Supply Manhattan, Illinois	Engineer, Procure, Construct, Startup 600 MW Simple Cycle Peaking Power Plant
Allegheny Energy Supply Gleason, Tennessee	Engineer, Procure, Construct, Startup 500 MW Simple Cycle Peaking Power Plant
Allegheny Energy Supply Wheatland, Indiana	Engineer, Procure, Construct, Startup 455 MW Simple Cycle Peaking Power Plant

OWNER/LOCATION	PROJECT DESCRIPTION
Progress Energy Ventures Inc. Monroe, Georgia	Engineer, Procure, Construct, Startup 325 MW Simple Cycle Peaking Power Plant
Scottish & Southern Energy plc Cardenden, Fife, Scotland	Engineer, Procure, Construct, Startup 124 MW Simple Cycle to Combined Cycle Power Plant
TECO Energy Bowling Green, Florida	Engineer, Procure, Construct, Startup 85 MW Simple Cycle Dual-Fuel Power Plant
Air Liquide Canada Ft. Saskatchewan, Alberta, Canada	Engineer, Procure, Construct 80 MW Cogeneration Power Plant
Union Carbide CorPlant Seadrift, Texas	Engineer, Procure, Construct, Startup 40 MW Cogeneration Power Plant
Magnolia Magnesium Plant Asbestos, Quebec, Canada	Engineering Services, Construction Supervision 20 MW Gas Turbine Simple Cycle Cogeneration Plant
EcoElectrica Penuelas, Puerto Rico	Construct, Startup 507 MW Combined Cycle Power & Desalination Power Plant
Cinergy Capital & Trading Brownsville, Tennessee	Engineer, Construct, Startup 480 MW Simple Cycle Peaking Power Plant
Cinergy Capital & Trading Caledonia, Mississippi	Engineer, Construct, Startup 450 MW Simple Cycle Peaking Power Plant
Duke Energy New Albany, LLC. New Albany, Mississippi	Engineer, Construct, Startup 380 MW Simple Cycle Peaking Power Plant
Westinghouse/City of Lakeland Lakeland, Florida	Construct 245 MW 501 G Simple Cycle Power Plant
Quixx Corporation Borger, Texas	Engineer, Procure, Construct, Startup 225 MW Cogeneration Plant
Fauji Kabinwala Power Co., Ltd. Kabinwala, Pakistan	Engineer, Procure, Construct, Startup 189 MW Combined Cycle Cogeneration Plant
Rojana Power Co., Ltd. Ayutthaya, Thailand	Engineer, Procure, Construct, Startup 122 MW Combined Cycle Cogeneration Plant
Sahacogen (Chonburi) Co., Ltd. Sriracha, Thailand	Engineer, Procure, Construct, Startup 122 MW Combined Cycle Cogeneration Plant

OWNER/LOCATION	PROJECT DESCRIPTION
Tambak Lorok Combined Cycle Power Plant Perusahaan Umum Listrik Negara Pusat Semarang, Indonesia	Owner's Engineer, Construction and Startup Management 2 x 530 MW Combined Cycle Oil & Gas Fired Plant
Quillota, V Region Quillota, Chile	Engineering Services 340 MW Combined Cycle Power Plant
Sweeny Cogeneration, L.P./CSW Energy, Inc. Old Ocean, Texas	Engineer, Procure, Construct, Startup 335 MW Cogeneration Plant
Northern Natural Gas Owatonna	Engineer, Construct 15,000 HP Gas Compression Station
Sithe Energies Smithfield, New South Wales, Australia	Engineer, Procure, Construct (Joint Venture) 160 MW Combined Cycle Cogeneration Plant
Whitby Cogeneration Plant Westcoast Power Whitby, Ontario, Canada	Owner's Engineer, Project Management 50 MW Cogeneration Power Plant
Orange Generation, L.P. Bartow, Florida	Engineer, Procure, Construct, Startup 103 MW Combined Cycle Cogeneration Plant
Saranac Partners, L.P. Plattsburg, New York	Engineer, Procure, Construct 240 MW Combined Cycle Cogeneration Plant
Medicine Hat Combined Cycle Station City of Medicine Hat Medicine Hat, Alberta, Canada	Engineer, Construction and Startup Management 144 MW Combined Cycle Station
MLP Energy, L.P. Redding, California	Engineer, Procure, Construct 63 MW Simple Cycle Peaking Power Plant
Vineland Cogeneration, L.P. Vineland, New Jersey	Engineer, Procure, Construct, Operate 46.5 Combined Cycle Cogeneration Plant
Farmington Electric Utility System Farmington, New Mexico	Engineer, Procure, Construct 26 MW Combined Cycle Repowering Project
National Research Council Ottawa, Ontario, Canada	Engineering Services 4.2 MW Cogeneration Plant

OWNER/LOCATION	PROJECT DESCRIPTION
Sithe Energies/AG-Energy, Inc. Ogdensburg, New York	Engineer, Procure, Construct 80 MW Combined Cycle Cogeneration Plant
Pasco Cogeneration, Ltd. Dade City, Florida	Engineer, Procure, Construct 106 MW Combined Cycle Cogeneration Plant
Lake Cogeneration, Ltd. Umatilla, Florida	Engineer, Procure, Construct 106 MW Combined Cycle Cogeneration Plant
NRG Energy, Inc. Iion, New York	Engineer, Procure, Construct 56 MW Combined Cycle Cogeneration Plant
Sithe Energies, Inc./Power City Partners, L.P. Massena, New York	Engineer, Procure, Construct 79 MW Combined Cycle Cogeneration Plant
University of Windsor Cogeneration Plant University of Windsor Windsor, Ontario, Canada	Engineer, Procure, and Construction Management, Startup 3,700 kW Cogeneration Plant
Labatts' Breweries London, Ontario, Canada	Engineer, Procure, Construction Management, Startup 4.6 MW Simple Cycle Cogeneration Power Plant
Burrard Generating Station B.C. Hydro & Power Authority British Columbia, Canada	Engineering Services 2 x 165 MW Gas Fired Steam Power Plant Upgrades
Nipigon Combined Cycle Power Plant TransCanada Pipelines Ltd. Ontario, Canada	Engineer, Procure, Construct, Startup 36 MW Combined Cycle Power Plant
Beacour Generating Station Hydro-Quebec Quebec, Canada	Engineer, Project Management, Construct, Startup 4 x 80 MW Simple Cycle Power Plant
Sithe Energies/Seneca Power Partners, L.P. Batavia, New York	Engineer, Procure, Construct 56 MW Combined Cycle Cogeneration Plant
NorCon/Falcon Seaboard Power North East, Pennsylvania	Engineer, Procure, Construct 80 MW Combined Cycle Cogeneration Plant
Pedricktown Cogeneration L.P. Pedricktown, New Jersey	Engineer, Procure, Construct 120 MW Combined Cycle Cogeneration Plant

OWNER/LOCATION	PROJECT DESCRIPTION
Sterling Power Partners Sherrill, New York	Engineer, Procure, Construct 56 MW Combined Cycle Cogeneration Plant
Indeck Energy Services, Inc. Silver Springs, New York	Engineer, Procure, Construct 55 MW Combined Cycle Cogeneration Plant
Fulton Cogeneration Associates Fulton, New York	Engineer, Construct, Startup 50 MW Simple Cycle Cogeneration Plant
Leamington Cogeneration Plant H.J. Heinz Company of Canada, Ltd. Ontario, Canada	Engineer, Construct, Startup 7.2 MW Combined Cycle Cogeneration Power Plant
Ada Cogeneration, L.P. Ada, Michigan	Engineer, Procure, Construct 31 MW Combined Cycle Cogeneration Plant
Indeck Energy Services, Inc. Oswego, New York	Engineer, Procure, Construct 52 MW Combined Cycle Cogeneration Plant
Indeck Energy Services, Inc. Tonawanda, New York	Engineer, Procure, Construct 55 MW Combined Cycle Cogeneration Plant
MidSun Partners, L.P. Bakersfield, California	Engineer, Procure, Construct 26 MW Combined Cycle Cogeneration Plant
Qaseem Generating Station Electricity Corp. of Saudi Arabia Saudi Arabia	Engineering Services 600 MW Gas Turbine Generating Station
Dow Chemical Canada, Inc. Fort Saskatchewan, Alberta, Canada	Engineering Services 210 MW Combined Cycle Power Plant
Medicine Hat Power Plant City of Medicine Hat Medicine Hat, Alberta, Canada	Engineering Services 2 x 32 MW Gas Turbine Plant
Beaver Combined Cycle Station Portland General Electric Co. Clatskanie, Oregon	Engineer, Construct, Startup 600 MW Combined cycle Power Plant
TECO/GenPower McAdams, Mississippi	Engineer, Procure, Construct, Startup 580 MW Combined Cycle Power Plant
Associated Electric Cooperative Dell, Arkansas	Engineer, Procure, Construct, Startup 580 MW Combined Cycle Power Plant

OWNER/LOCATION	PROJECT DESCRIPTION
Elektrownia Patnow II Sp. z o.o. Warsaw, Poland	Engineer, Procure, Construct, Startup 460 MW Lignite-Fired Supercritical Thermal Power Plant
Tanjung Jati B Thermal Power Station Sumitomo Corporation Central Java, Indonesia	Quantity and quality review of the stored equipment and then equipment inspection services on restart of construction. 1,320 MW Coal-Fired Steam Power Plant
Genesee 3 Power Plant EPCOR Power Development Edmonton, Alberta, Canada	Structural design for the Boiler Steel and miscellaneous buildings, and review of T/G foundation design. 500 MW supercritical coal-fired power plant
Krabi Thermal Power Plant Electricity Generating Authority of Thailand Krabi, Thailand	Engineering Services 330 MW Thermal Power Plant
Domtar Paper Windsor, Quebec, Canada	Engineering Services 33 MW Steam Turbines
Tanjung Jati B Thermal Power Station PT CEPA Indonesia Central Java, Indonesia	Engineering Services, Construction Management 1,320 MW Coal-Fired Steam Power Plant
Cogeneration Plant Enviro-Energie Alliance Inc. Quebec, Canada	Engineering Services Upgrading an existing hog fuel-fired boiler to 370,000 pph and 800 psig/855 F, with bubbling fluidized bed furnace and adding a 27 MW extraction/condensing turbo generator.
Paiton Thermal Generating Station Perusahaan Umum Listrik Negara Pusat East Java, Indonesia	Engineering Services, Construction Supervision, Project Management 800 MW Thermal Generating Station
Brandon Generating Station Manitoba Hydro Brandon, Manitoba, Canada	Engineering Services and Construction Supervision 105 MW Coal-Fired Steam Power Plant Life Extension
Selkirk Generating Station Manitoba Hydro Selkirk, Manitoba, Canada	Engineering Services and Construction Supervision 130 MW Coal-Fired Steam Power Plant Life Extension
University of Alberta Edmonton, Alberta, Canada	Engineer, Procure, Construction Management, Startup 13.5 MW Heating Plant Expansion

OWNER/LOCATION	PROJECT DESCRIPTION
Genesee Power Project Edmonton Power Alberta, Canada	Engineer, Procure and Construction Management 800 MW Thermal Generating Station
Tracy Generating Station Hydro-Quebec Quebec, Canada	Engineering Services 4 x 185 MW Oil-Fired Steam Plant Rehab and Gas Conversion
Lakeview Generating Station Ontario Hydro Ontario, Canada	Engineer, Procure, and Construction Management 4 x 300 MW Coal-Fired Steam Power Plant Rehab
Zia Fertilizer Co. Ltd. Bangladesh	Engineer, Procure, Construct 120 tonne/hour Boiler Balance of Plant
Damanhour Generating Station Babcock & Wilcox Canada Egypt	Engineering Services 300 MW Oil-Fired Steam Generator Boiler Island
Cogeneration Plant Miramichi Pulp & Paper Inc. Newcastle, New Brunswick, Canada	Engineering Services 25 MW Power Plant
Cogeneration Plant Canadian Pacific Forest Products Ltd. Dryden, Ontario, Canada	Engineering Services 37 MW Power Plant
Soroako Generating Station PT Inco Metals Company Sulawesi, Indonesia	Engineer, Procure, Construct, Startup, Training 2 x 28 MW Oil-Fired Steam Power Plant
Sheerness Generating Station Alberta Power Ltd. Edmonton, Alberta, Canada	Foundation Design Review 2 x 375 MW Coal-Fired Power Plant
Suralaya Steam Power Plant Marubeni Corporation Java, Indonesia	Engineer, Project and Construction Management 800 MW Boiler Island
LGM, Inc. Orangeburg, South Carolina	Construct 150,000 pph Coal-Fired Stoker Boiler
Atikokan Generating Station Ontario Hydro Ontario, Canada	Engineer, Construct and Startup Management 200 MW Lignite-Fired Steam Power Plant

OWNER/LOCATION	PROJECT DESCRIPTION
Norfolk and Southern Railway Systems Roanoke, Virginia	Modernization, Refurbishment, Expansion 280,000 pph Coal-Fired Steam Plant
Thunder Bay Thermal Generating Station Ontario Hydro Ontario, Canada	Engineer, Construct and Proj. Management, Startup 330 MW Thermal Generating Station
Battle River Units 3, 4 and 5 Alberta Power Ltd. Alberta, Canada	Engineer, Procure and Construction Management 675 Thermal Generating Station
Dalhousie Thermal Generating Station New Brunswick Electric Power Comm. New Brunswick, Canada	Engineer, Procure and Construction Mgm't., Startup 212 MW Thermal Generating Station
Holyrood 3 Generating Station Newfoundland Hydro Newfoundland, Canada	Engineer, Procure and Construction Management 3 x 150 MW Oil-Fired Boiler Steam Power Plant Extension
Battle River Units 1 and 2 Alberta Power Ltd. Battle River, Alberta, Canada	Engineering Services 2 x 30 MW Coal-Fired Power Plant Restoration
Brandon Generating Station Manitoba Hydro Brandon, Manitoba, Canada	Engineering Services 105 MW Coal-Fired Steam Power Plant

OWNER/LOCATION	PROJECT DESCRIPTION
Fibrominn LLC. Benson, Minnesota	Engineer, Procure, Construct, Startup 55 MW Biomass Plant
Windsor Cogeneration Plant Hitachi Canada Ltd. Windsor, Quebec, Canada	Engineer, Procure, Construct 32 MW Cogeneration Power Plant
Ogden Energy Group/ County of Hillsborough Brandon, Florida	Retrofit APC Equipment 1,000 TPD MSW Resource Recovery Facility
Public Utility District No. 1 of Klickitat County Roosevelt, Washington	Engineer, Procure, Construct 10.5 MW Landfill Gas Power Plant
Empresa Energetica Corinto Ltd. Corinto, Nicaragua	Engineer, Construct, Startup 70.5 MW Barge Mounted Floating Power Plant
Future Energy Resources Corporation (FERCO) Burlington, Vermont	Engineer, Procure, Construct, Operate & Maintain 200 TPD Biomass Gasification Facility
Dolbeau Cogeneration Plant Enviro-Energie Alliance Dolbeau, Quebec, Canada	Engineer, Procure, Project Manage, Construction 28.75 MW Cogeneration Plant
Midtown Thermal Control Center Atlantic City, New Jersey	Feasibilities Study, Engineer, Procure, Construct 200,000 pph Cooling/Heating Facility
Norander Forest/Fraser Papers, Inc. Edmundston, New Brunswick, Canada	Engineer, Procure, & Construct 38.5 MW Wood Waste-to-Energy Power Plant
Samsung Engineering & Construction PuSan, Korea	Engineer, Procure Boiler & Grate 400 TPD MSW Incineration Plant
Chewton Glen Energy, LLC Ford Heights, Illinois	Engineer, Procure, Construct, Operate & Maintain 20 MW Tire-Fueled Power Plant
Ridge Generating Station, L.P. Lakeland, Florida	Engineer, Procure, & Construct 40 MW Wood Waste-& Tire-Fueled Power Plant
Alternative Energy, Inc. Cadillac, Michigan	Engineer, Procure, & Construct 34.5 MW Wood-Fired Power Plant
Alternative Energy, Inc. Ashland, Maine	Engineer, Procure, & Construct 34.5 MW Wood-Fired Power Plant

OWNER/LOCATION	PROJECT DESCRIPTION
Alternative Energy, Inc. Livermore Falls, Maine	Engineer, Procure, & Construct 34.5 MW Wood-Fired Power Plant
Peel Energy-from-Waste Facility Peel Resources Recovery Ltd. Brampton, Ontario, Canada	Engineering Services 10 MW Steam Turbine Cogeneration Power Plant
Exeter Energy Company Sterling, Connecticut	Engineer, Procure, & Construct 28 MW Tire-Fueled Power Plant
Brock West Project Eastern Power Developers Brock West, Ontario, Canada	Engineer, Procure, Construct 23 MW Landfill-GasFired Steam Power Plant
HYDRA-CO Enterprises, Inc. New Bern, North Carolina	Engineer, Procure, & Construct 50 MW Wood-Fired Power Plant
Ogden Martin Systems of Lake, Inc. Okahumpka, Florida	Engineer, Procure, & Construct 15 MW/530 TPD MSW Power Plant
Imperial Resource Recovery Brawley, California	Engineer, Procure, & Construct 18 MW Agricultural/Urban Wood Waste-Fired Plant
Newfoundland & Labrador Hydro Roddickton, Newfoundland, Canada	Engineer, Construction Management 5 MW Wood-Fired Generating Station
HL Power Company Wendel, California	Engineer, Procure, Construct, Operate & Maintain 30 MW Wood-Fired & Geothermal Power Plant
Wadham Energy, L.P. Williams, California	Engineer, Procure, Construct, Operate & Maintain 26.5 MW Rice Hull Waste-to-Energy Power Plant
Signal Shasta Energy Systems Anderson, California	Engineer, Procure, & Construct 49 MW Wood-Fired Power Plant
Fairhaven Power Company Fortuna, California	Engineer, Procure, & Construct 15 MW Wood-Fired Power Plant
Signal Capital Corporation Sherman Station, Maine	Engineer, Procure, & Construct 21 MW Wood-Fired Cogeneration Plant
Martell Cogeneration L.P. Martell, California	Engineer, Procure, Construct, Operate & Maintain 20 MW Wood-Fired Cogeneration Plant
Pacific Oroville Power, Inc. Oroville, California	Engineer, Procure, Construct, Operate & Maintain 18 MW Wood-Fired Power Plant

OWNER/LOCATION	PROJECT DESCRIPTION
Boise Cascade Corporation Emmett, Idaho	Engineer, Procure, & Construct 15 MW Wood-Fired Cogeneration Plant
Sierra Pacific, Inc. Hayfork, California	Engineer, Procure, & Construct 9 MW Wood-Fired Cogeneration Plant
Afton Generating Company Afton, Wyoming	Engineer, Procure, & Construct 7 MW Wood-Fired Cogeneration Plant

OWNER/LOCATION	PROJECT DESCRIPTION
Diavik Mines Northwest Territories Canada	Engineering Services 5 x 4.4 MW Diesel Power Plant
Goro Nickel Mining Project Inco New Caledonia	Engineering Services 25/50 MW Diesel Power Plant
Rosario Power Plant Westcoast Power Philippines	Technical Assessment 60 MW Diesel Plant
Diesel Private Power Plant New Delhi, India	Conceptual Engineering 25 MW Diesel Power Plant
Kozhikode Diesel Power Plant Kerala State, India	Conceptual Engineering 120 MW Diesel Power Plant
Trail Road Project Municipality of Ottawa - Carleton Ottawa, Ontario, Canada	Engineering Services, Project and Construction Management 3 MW Diesel Power Plant
Rosa Flora Cogeneration Plant Rosa Flora Ltd. Dunnville, Ontario	Engineering Services 2 x 760 kW Diesel Power Plant
Magdalen Islands Power Project Hydro-Quebec Quebec, Canada	Engineering Services 69 MW diesel Power Plant
Soroako Generating Station PT Inco Metals Company Soroako, Sulawesi, Indonesia	Engineering Services 40 MW Diesel Power Plant
Abaco, Eluthera and Bihimi Diesel Generating Stations Bahamas Electricity Corporation Family Islands, Bahamas	Engineering Services 9 x 1500 kW Diesel Generators, Distillate Oil Fuel
James H. Phillips Power Plant Sebring Utilities Commission Florida	Engineering Services 44 MW Combined Cycle Diesel Power Plant
James Bay Diesel Plant LG-3 Village Hydro-Quebec Quebec, Canada	Engineer, Project Management, Construct, Startup 7 x 2 MW Diesel Generators

OWNER/LOCATION

PROJECT DESCRIPTION

James Bay Diesel Plant
LG-2 Village
Hydro-Quebec
Quebec, Canada

Engineer, Project Management, Construct, Startup
10 x 2 MW Diesel Generators