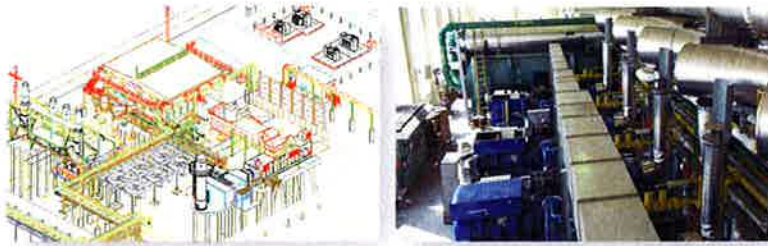


WALDRON

Waldron Engineering & Construction, Inc.

specializes in the design, construction, commissioning and testing of power generation, combined heat and power, and central heating facilities. With locations in Exeter, New Hampshire, and Roanoke, VA, Waldron has provided creative analysis and innovative designs to over 150 customers in more than 20 countries.



Central Energy Plant Design

Waldron has extensive knowledge and experience in the engineering and design of central energy plants that utilize package boilers, reciprocating engines, gas turbines, heat recovery boilers, steam turbines, absorption chillers, electric motor driven chillers and steam turbine driven chillers.

Power Facilities Commissioning

Waldron has proven capabilities in the development and successful execution of detailed commissioning plans for plants ranging from institutional central heating and cooling facilities to full-scale utility power stations.

Utility Plant Engineering

Waldron has acted as owner's engineer for the development, procurement and construction management of utility stations for both regulated utilities and merchant power plant developers worldwide.

Plant Testing

Waldron, an experienced source for power plant testing, has completed test of over 23,000 MW of electric generating capacity in plants ranging from 5.0 MW CHP facilities to 1,200 MW central power stations.



**For more info, contact Bruce Leblanc:
bleblanc@waldron.com or 603-772-7153 x162**

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Partial Client List

Harvard University

Blackstone Station
Boiler 13 Project
Underground Steam System Expansion
Chilled Water System Expansion

Phillips Exeter Academy

Central Chiller Replacement
Ammonia Refrigeration Upgrade
Condensate/Feedwater Piping

Wyeth Biopharma

Gas Turbine Generator
Heat Recovery Boiler
SCONOx System
Absorption Chiller
Electric Driven Chiller
Package Boiler
Emergency Diesel Generators

BiogenIdec

Gas Turbine Generator
Heat Recovery Boiler
SCR System
Package Boilers
Steam Distribution System
Electric Distribution System

Southbridge Power and Thermal

Reciprocating Engine Generators
Heat Recovery Boiler
CO Catalyst System
Package Boilers
Hot Water Absorption Chiller
Electric Distribution System

SourceOne

Vineland, NJ Municipal Elec. Peaking
Plant

The Durst Organization

One Bryant Park (NY, NY) Cogeneration
Plant Integration

UMASS Medical

Package Boilers
Steam Turbine Generator
Steam Turbine Driven Chiller
Deaerator
Emergency Diesel
Emergency Electric Bus
Gas Turbine Generator

Kenneth Copeland Ministries

Reciprocating Engine Generators
Electric Distribution System

Consolidated Edison of New York

Newington Station
West Springfield Station
Lakewood Cogeneration
Rock Springs Station
Ocean Peaking Station
East River Steam Distribution

ExxonMobil

ThermoPuerto Station

Intergen (Bechtel/Royal Dutch Shell)

Rocksavage Power Station
Coryton Power Station
Thermoemcali Power Station
Dabhol Power Station
Izmir Power Station
Gebze Power Station
Rijnmond Power Station

Rhode Island Hospital

CHP Upgrades

Frito-Lay

Gas Turbine Generator

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Owner's Engineering

Prior to undertaking the construction of a power project, every owner needs to mitigate the risks associated with the assumptions in the project's economic analysis. Owners need assurance that when their project is commercial, it will meet or exceed performance expectations not only for the near term but over its expected life. Owner's engineering work mitigates much of that risk through the use of technical specifications, engineering / design review, construction inspection and performance testing protocols.

Complete Energy Planning

- - Thermodynamic Cycle Design
- - Electric System Modeling
- - Water balances - Startup analysis

Complete Energy Facility Management for Owner

- - Conceptual Designs
- - Detailed Facility Technical Specifications
- - Quotation Package Preparation for Contract Bidding
- - Contract Negotiations
- - Engineering Design Reviews
- - Commissioning Planning
- - Performance Testing

Performance Test Protocol and Testing

Waldron, a leader in power plant test companies worldwide, has tested over 23,000 MW of electric generating capacity in plants ranging from 5.0 MW CHP facilities to 1,200 MW power stations.

Projects

- [Newington Energy](#)
- [Fraser Paper Mill/Nexfor](#)
- [NECCO Cogen](#)

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