



## COMPANY OVERVIEW

**Vogt Power International Inc.**, a Babcock Power Inc.® company, is a Louisville, Kentucky-based company, specializing in the design, manufacturing, supply and aftermarket products and services of Heat Recovery Steam Generators (HRSGs).

### HISTORY

Vogt Power International's rich history extends back to 1880, when Henry Vogt founded the Henry Vogt Machine Co. In 1902, Vogt entered the boiler business in order to provide a heat source for its ammonia absorption refrigeration machine (or ice machine). Vogt's Heat Transfer division evolved from the manufacturing of gas, oil, and coal-fired boilers, to the production of industrial-size HRSGs designed to recover and recycle heat from gas turbine exhaust. Today, Vogt Power International's history of engineering excellence and expertise has established the company as a dominating force in HRSGs.

### CUSTOM-DESIGNED, WITH THE CUSTOMER IN MIND

Because our customers' needs are as varied as the services they provide, Vogt Power International supplies custom-designed HRSGs for installation behind combustion turbines starting at 25 MW up to 375 MW for use in power generation, cogeneration, IGCC, and combined heat and power. These HRSGs feature a horizontal gas path, and may have one, two, or three pressure levels with or without a re-heat system. Vogt Power International's extensive experience includes supplementary and auxiliary-fired units, the supply of SCR and CO systems, and additional design features such as stack dampers, silencers, shrouds, and exhaust bypass systems. Our units are installed around the world, from North and South America, and across Europe, Asia, and the Middle East.



## MULTIPLE CONSTRUCTION OPTIONS

At Vogt Power International, innovation is our first order of business. That's why we're constantly refining and redefining what we do, ensuring that our products and services continue to meet the ever-changing needs of our diverse customer base. Vogt Power International will provide the most constructable unit for every customer's site-specific application. We offer the following designs to meet our customers' needs:

**V-Flex**, featuring a high level of pre-assembly; modules, casing, interconnecting piping, and some structural steel—all combined into "one box," thereby drastically reducing the number of man-hours needed for erection.

**V-Max**, has all the features of our SMART design, plus the main steel support structure is added to the boxes in a design we call ECS. Applicable only where transport and weight limits allow.

**V-Lite**, top supported unit with high degree of heat transfer surface shop assembly. Allows for easy lifting and assembly of bundles, and limits the requirements for large cranes.

**V-One**, GTs from 30-70 MW, single-wide modular design. Standard-width designs, 1, 2, or 3 pressure levels, and a full range of supplementary equipment with an accelerated delivery schedule.

## ENGINEERING AND PROJECT MANAGEMENT SERVICES

Include turnkey capability, design of HRSG modifications, structural analysis, thermal stress analysis, circulation analysis, thermal-efficiency improvements, time-life studies, ROI studies, outage services, and engineered solutions for OEM and Non-OEM HRSG's.

## AFTERMARKET PRODUCTS AND SERVICES TECHNICAL SERVICES/INSPECTIONS

Including complete boiler inspections, failure analysis, corrosion/erosion analysis, emergency repair procedures, performance testing, metallurgy inspection, UT testing, videoscope inspections, technical consulting, and owner engineering services.

## RETROFITS

Include additions, improvements and modifications to all types of boiler surfaces, SCR and CO catalyst additions, performance-efficiency improvements, steam-quality improvements, duct and boiler casing and liner upgrades, duct burner additions and plant assessments.

## PARTS

Includes complete modules, pressure vessels and parts, duct-expansion joints, diverter and sealing dampers, rolled cylinders, valves and instruments, access doors, furnace view ports, tubes, tube plugs, gaskets, casing/seals/insulation, burner-management systems, environmental controls and instrumentation, and more.

## FABRICATION SERVICES

Vogt can fabricate HRSG modules (regardless of manufacture), heat-transfer equipment, pressure vessels, headers, rolled cylinders, finned tubing, and gas duct systems. We have machining services, a large heat-treating furnace, and a large paint facility.

SAFETY? PEOPLE. POWER. PROJECTS.  
We're giving safety the third degree.

Babcock Power Inc. and its subsidiaries place the safety, health and security of our people at the core of our company values. Our team is our most valuable resource, generating solutions everyday to deliver safe, clean, reliable energy globally. With a keen focus on safety, Babcock Power Inc. conducts business in a manner that protects our people, our customers and the environment. From innovation to generation, we are proud of our award-winning safety record and are committed to operating with integrity and excellence.

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