VICTORY ENERGY®

COMPANY ENGINEERING MANUFACTURING PRODUCTS AFTERMARKET CAREERS NEWS CONTACT

HIGH TEMP FLUID GENERATOR

GENESIS® series

Concept to Completion®

VICTORY ENERGY®

State-of-the-art manufacturing facilities are located just North of Tulsa, Okla.

Excellence in the making

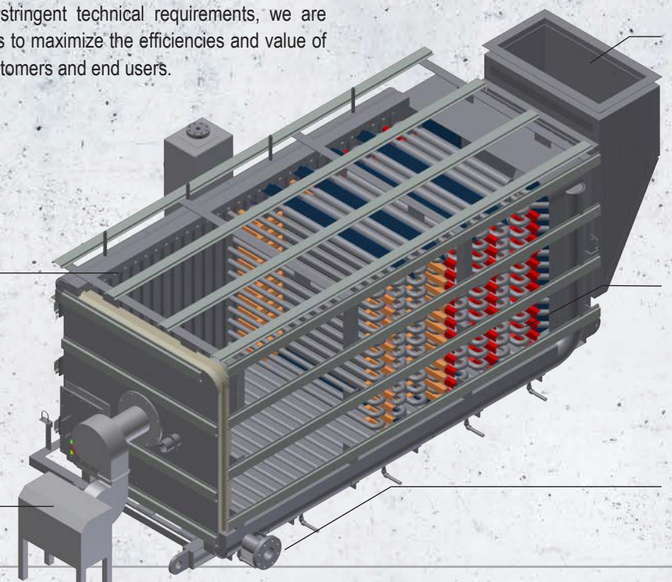
From the beginning, the goals of Victory Energy have been to be a single-source solutions provider backed by world-class service. Today, we are a leading boiler supplier offering proven energy solutions through advanced technologies and state-of-the-art manufacturing.

No application is too small or too large. We thrive in an atmosphere of innovative thinking and breakthrough methodology. We carry this attitude forward from "Concept to Completion®" as we work closely with our customers, in-house engineering teams, in-house project management teams, fabrication personnel, manufacturing crews, logistics department and field technicians.

In addition to providing rock-solid solutions that are reliable and compliant with the most stringent technical requirements, we are constantly looking for ways to maximize the efficiencies and value of total integration for our customers and end users.

Quality materials and superior construction are essential to producing thermal energy systems that are, by design, engineered to be the most reliable systems in the world.

From permanent full-scale installations to temporary mobile systems, Victory Energy offers custom-engineered solutions for all types of applications in all kinds of industries including, Institutional, Petroleum, Utility/Power, Textiles/Pulp & Paper, Chemical Processing, Process Waste Heat, Gas Turbine Heat Recovery, District Heating, Ethanol, Oil Sands/Enhanced Oil Recovery and Thermal Solar projects.



☑ *Horizontal or vertical-up gas outlet available. Easy to add a condensing module to improve efficiencies if a heat sink is available*

☑ *Membrane wall design provides robust gas tight construction and allows for high differential temperatures*

☑ *Easy access for inspection and maintenance*

☑ *Flexibility in burner options with wind-box arrangements available*

☑ *Engineered integration of extended surfaces on the tubes in the convection section improves heat transfer efficiency and allows for compact space*

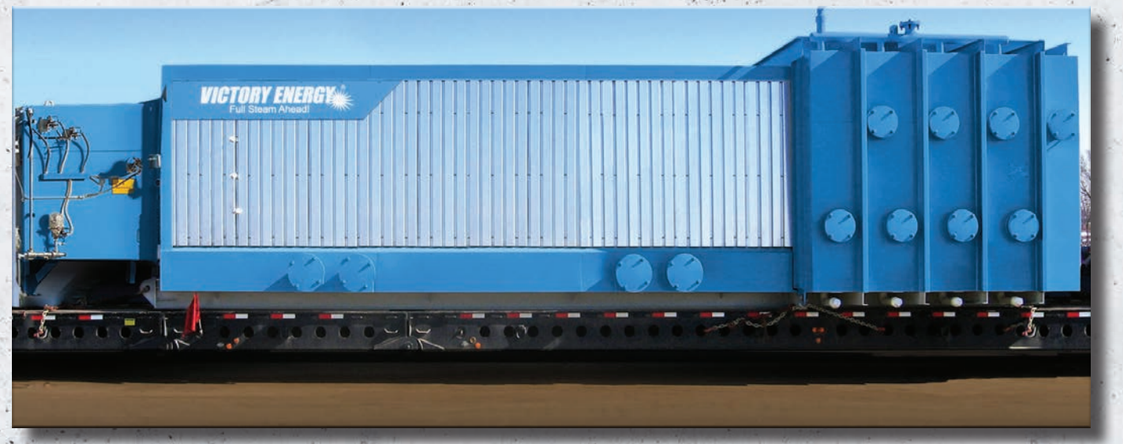
☑ *Opposed corner headers and equal tube lengths provide for even flow distribution and thermal expansion resulting in no hot spots in the generator*

All HTTF Generators come with low NO_X burners that are state-of-the-art and fuel-efficient.

In-House membrane welding and tube bending ensures precision and accuracy that is reflected in the entire manufacturing process.

Excellence is a top priority; over 100 check-points are in place for quality control, tracked and managed by ITP (Inspection Test Plan).

FULL STEAM AHEAD!



HT Fluid Generators

Victory Energy High Temperature Hot Water (HTHW) Heaters are custom designed to provide users with any high temperature thermal medium at their desired operating pressure. Designed to the ASME Boiler & Pressure Vessel Code, units can be designed to heat any suitable thermal oil, glycol-water mixture or water with output ranging from 5 MMbtu/hr to 200 MMbtu/hr.

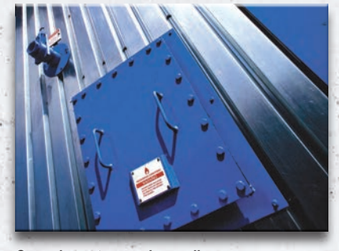
Robustly designed, a complete membrane wall furnace provides gas tight construction, structural integrity and minimizes any refractory. Our design eliminates the older tangent tube wall technology which needed manually adjustable orifices to distribute flow. It can handle high differential temperatures and eliminates hot spots in the generator by controlling fluid flow evenly through the tubes and providing a weld gas tight seal design. Opposed corner headers allow for equal tube lengths and even thermal expansion.

- The optimal selection of extended surface on the convection section heating surface significantly improve heat transfer efficiency while reducing foot-print. The convection section is integral to the unit and en external economizer is not needed.
- Both, custom horizontal or vertical designs are available with the option to add condensing modules on the back-end to improve thermal efficiencies.
- Access to the furnace for maintenance and inspection is easy.

We can accommodate any engineered burner configuration for a variety of fuels and meet low emissions requirements. Victory Energy can provide complete PLC based combustion controls and burner management systems.

With a 24/7 service department and after-market services available, Victory Energy can provide installation, start-up, training and preventative maintenance programs.

Finned tube convection section custom engineered to improve heat transfer efficiency and allow for compact space.



Over-size entryway doors allow easy access.

All units are shrink-wrapped for protection during the transport process.

Concept to Completion®

RECOVERED HEAT TRANSLATES TO RESOURCES SAVED!

Ancillary Equipment and Services

Heat Recovery Products are a vital part of our sustainability initiative and one of the many ways in which we provide integrated solutions to maximize waste heat recovery.

Victory Energy offers a complete suite of heat recovery products and ancillary equipment:

- **EXPLORER® Economizers (rectangular & cylindrical)**
- **Condensing Economizers**
- **Waste heat oil heaters**
- **Tubular air pre-heaters**
- **Liquid-liquid heat exchangers**
- **Transitions, stacks, support steel, duct-work, expansion joints, dampers and controls**
- **Spare parts**
- **Full-time (24/7) service, installation and start-up**

Our commitment to the 212 Principle continues to drive our dedication to customer satisfaction:

The 212 Principle

At 211 degrees, water is hot. At 212 degrees, it boils.
And with boiling water, comes steam.
And with steam, we power the progress of change.

The power of one extra degree!

VICTORY ENERGY®

FOLLOW A LEADER

www.victoryenergy.com

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