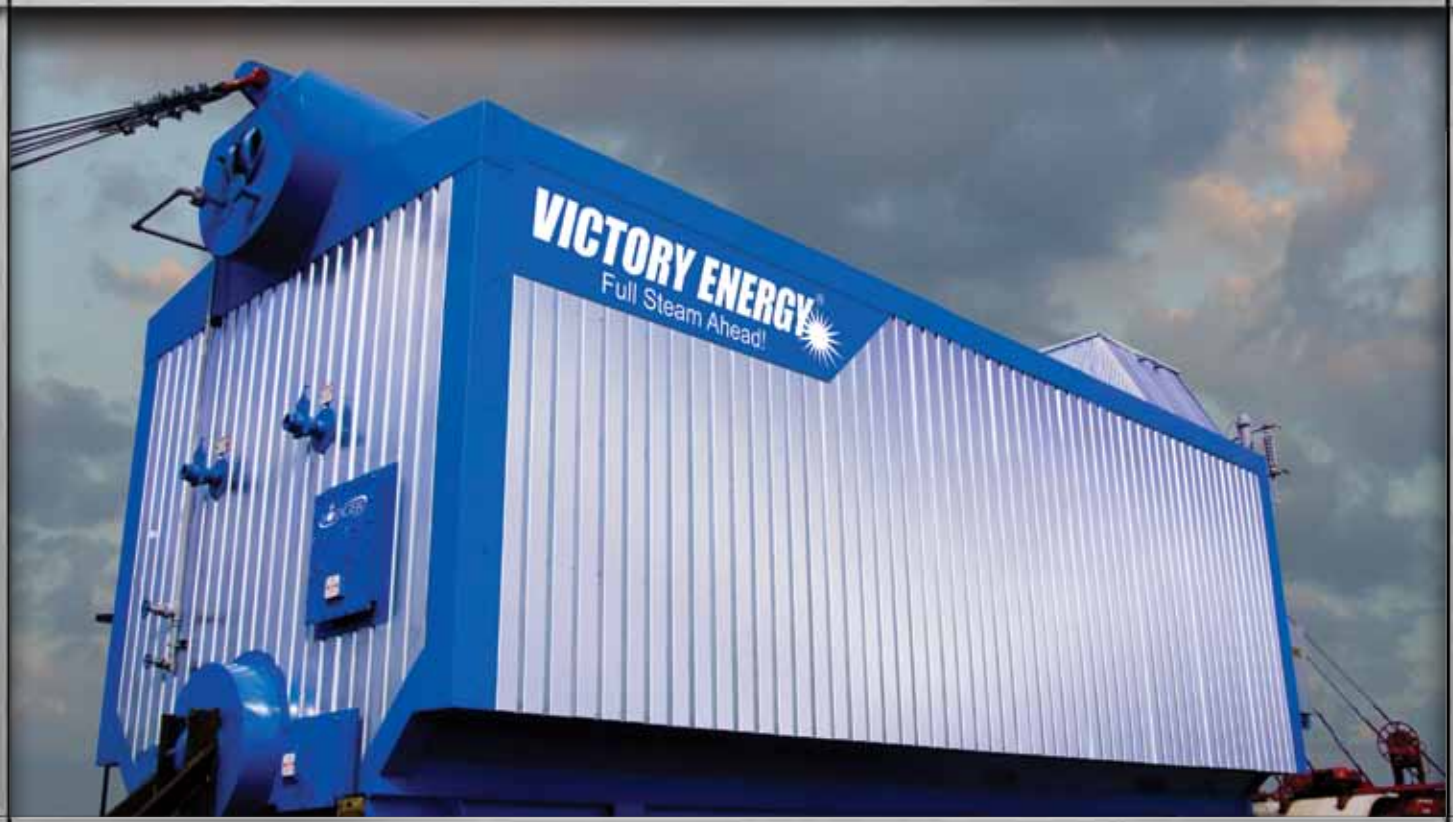
VICTORY ENERGY®



Concept to Completion®

VICTORY ENERGY®

Concept to Completion®


VICTORY ENERGY
Full Steam Ahead!

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®
Full Steam Ahead!

FOLLOW A LEADER

www.victoryenergy.com
1-877-783-2665

A higher degree of leadership

From the beginning, the goals of Victory Energy have been to be a single-source solutions provider backed by a full-service organization. Our commitment to customer satisfaction continues to guide our core values. Today, we are a leading boiler supplier offering custom solutions through advanced technologies and state-of-the-art manufacturing.

Through our in-house sales team and a strong network of independent representatives, Victory Energy has grown to serve clients across the U.S. and Internationally.

Everyone in the field wants to know how we're doing it. The answer is simple: We go the extra degree.

Our facility is extra-lean, ultra-clean and extremely sophisticated, employing our own streamlined design to minimize waste and maximize efficiencies. Our proprietary processes are highly defined, each geared to maximize quality, reduce man-hours and increase deliverability. And most importantly, our people – every single one of them – is constantly striving to give that one extra push. Ask that one extra question. Offer that one extra degree of effort that elevates the adequate to the extraordinary.

It's the difference between hot and boiling. The difference between standing still and moving forward. It's why we're growing. *Full steam ahead.*

Concept to Completion®

In 1999, a small company began with a big concept: To set the bar higher by building better, cleaner, more innovative boilers with an extra degree of customer service.

Victory Energy started with a handful of contracts, and very quickly started to grow. Within just a few short years, Victory expanded the product line to include package boilers and Heat Recovery Steam Generators (HRSGs), and acquired a second location. Most importantly, we were developing a reputation for a more modern, visionary approach to our 100+ year-old industry.

By 2007, Victory had become one of the top manufacturers of boilers and HRSGs for the ethanol industry. That year, we established a strategic focus on diversification, answering the call from the oil and gas, utility, institutional, food, chemical, biomass, and pulp/paper industries..

One word, more than any other, began to set us apart: engineering. We made the lasting commitment to add value to every project by involving our engineering department, looking for ways to streamline and add efficiencies. Soon, customers were bringing us their projects earlier and earlier in the process, knowing that our engineers would make valuable contributions, from product development, to manufacturing, all the way through to delivery.

Our more than two dozen engineers relish a challenge. No project is too difficult or too obscure. Whether it's recapturing more than 1 million pounds per hour of wasted flue gas for a processing plant, helping a California olive company eliminate brine water pollution and use olive pits as an energy source, or engineering an entirely new solar boiler for a solar thermal power plant in Bikaner, India, there is no doubt that Victory Energy has become more than a boiler company. Today, we are a global engineered solutions provider.

To ensure we serve our customers from concept to completion, we added two more unique services. Our Rental Group is available 24/7, quickly and safely dispatching mobile boilers to customers in urgent situations. And our Aftermarket Solutions Group is committed to improving system efficiencies by maximizing heat recovery. We custom-engineer solutions for applications to yield an attractive pay-back and long-term performance.

What does the future hold for Victory Energy? You can count on this: We will always manufacture. We will remain true to our original concept of building the highest quality and most advanced boilers on the planet. And we will continue to innovate, increase efficiencies, and expand globally in the decades to come.

John Viskup
Chief Executive Officer
Victory Energy Operations, LLC

1999

Mr. John Viskup and Mr. Jim Sponder start Victory Energy Operations, LLC.

1999

First boiler sale for Victory Energy Operations.

2000

Second location for Victory Energy Operations.

2001

Third location for Victory Energy Operations.

2001

VEO becomes a manufacturer's representative for a firetube product line.

VICTORY ENERGY®
Steam Team

Passion, commitment, and an unparalleled desire to succeed are the common bonds that unite the 200-plus employees that make up the Victory Energy Steam Team. The Steam Team consists of talented people from design to installation. We will see your project through and offer support throughout the process. We are a team of dedication. We are a team of commitment. We are a team of support. We are the Victory Energy Steam Team!

2003

VEO obtains license to manufacture watertube boilers.

2004

Corporate headquarters for Victory Energy Operations established in Collinsville, Oklahoma, just 12 miles north of Tulsa.

2005

Victory Energy hires its 100th employee.

2006

First rail shipment for Victory Energy Operations.

2006

Victory Energy hires its 200th employee.

Collinsville, Oklahoma

VEO corporate facility located on 41 acres just north of Tulsa in Collinsville, Oklahoma.

Straight to the source

Years of experience led Victory to an important decision. We realized that our customers needed more than a boiler company. They needed a Single Source Solution. A company that could provide any part, any product related to steam, at any time. From that moment on, Victory Energy committed to providing every boiler part its customers could ever need.

The convenience of a Single Source cannot be understated. We are, literally, a "one-stop shop." And every part for every boiler is 100% guaranteed and carries a full warranty – whether it is manufactured at Victory or elsewhere.

2006

Victory Energy's second manufacturing facility is established in Cushing, Oklahoma.

2007

First barge shipment for Victory Energy Operations.

2007

Victory Energy hires its 300th employee.

2007

Victory Energy manufactures its 285th boiler.

2008

Ground breaking begins in Collinsville, Oklahoma for the expansion of Victory Energy's new corporate headquarters.

Cushing, Oklahoma

Supplying the demand

It's what makes us different. It's what makes us stand out. We are able and willing to provide all the auxiliary equipment and spare parts that our customers will need within their boiler island. Victory Energy can provide stacks, economizers, deaerators, blowdown heat recovery systems, control systems, ductwork and more. Most importantly, Victory Energy actually designs and manufacturers many of these auxiliary units at our local facility. When you purchase from Victory Energy all of your equipment is guaranteed by us. No need to point fingers when something doesn't go well. If you bought it from us, we will stand behind it, guaranteed! It's the extra degree that makes us a true Single Source Supplier.

VEO facility located in Cushing, Oklahoma serves as a second manufacturing facility.

2008

Entrepreneur Magazine ranked Victory Energy #1 fast-growth manufacturer in the nation.

2009

Victory Energy's new corporate headquarters is complete.

2009

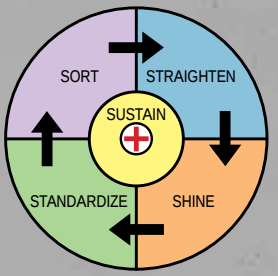
SolarGen project is awarded Project of the year by POWER Engineering.

2010

Victory Energy launches global marketing initiatives including new website and social media campaign.

2011

Victory Energy implements Lean Manufacturing processes including 5S & Value Steam Mapping.




VOYAGER
series
HAZARDOUS CONDITIONS
WARNING

» ENGINEERING

Beyond Boiler-Plate

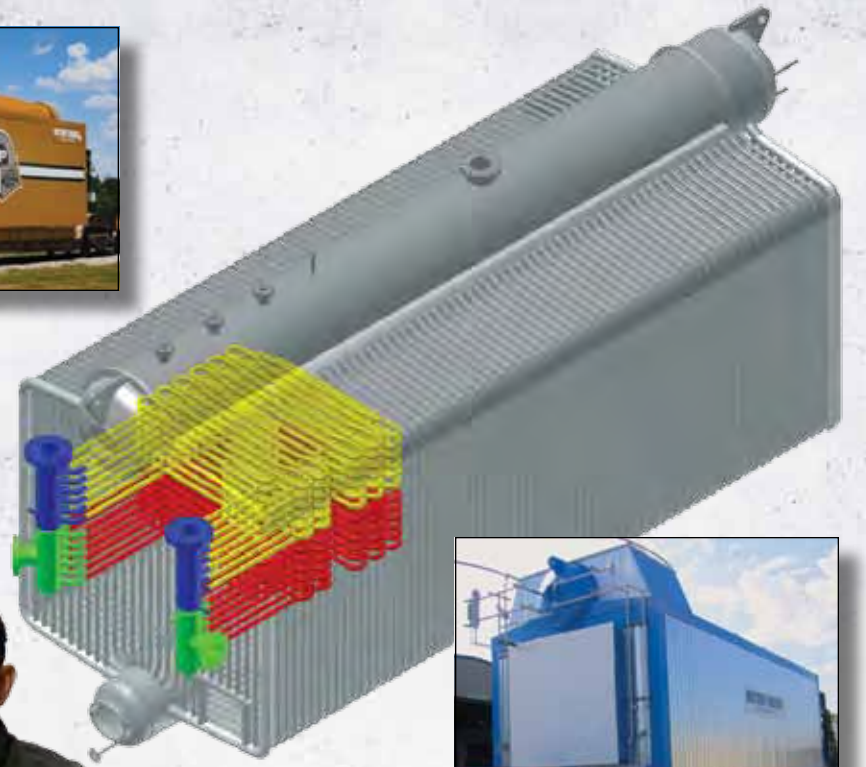
At Victory Energy, every boiler is a custom boiler. There is no standardized, off-the-shelf model, no "fudging to fit." We design, draw and build your boiler for your exact needs and conditions.

We start by developing the thermal design and boiler size, incorporating the job-specific requirements for steam capacity, pressure and temperature, fuels available, emission limitations, physical space limitations, and any additional requirements. Next, we execute General Arrangement drawings showing the equipment dimensions and layout, customer tie-in locations and details, and design data. Finally, we create the detailed fabrication drawings that will be used throughout the manufacturing process.

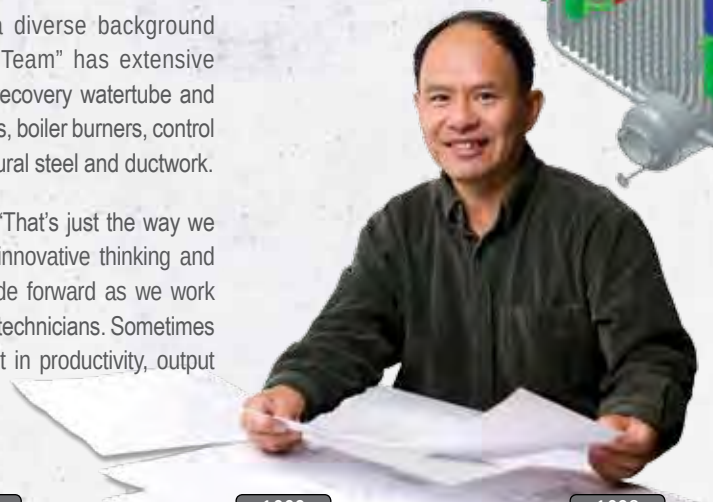
To accomplish this, Engineering draws on a diverse background of subspecialties. Our Engineering "Steam Team" has extensive experience with packaged direct-fired and heat-recovery watertube and firetube industrial boilers, field-erected utility boilers, boiler burners, control systems, economizers, direct-fired heaters, structural steel and ductwork.

At Victory Energy, you'll never hear the phrase, "That's just the way we always do it." We thrive on an atmosphere of innovative thinking and breakthrough methodology. We carry this attitude forward as we work closely with Victory fabrication personnel and field technicians. Sometimes a minor change can mean a major improvement in productivity, output or safety.

VOYAGER O-style boiler equipped with superheat.



Typical 150,000 PPH Voyager series watertube boiler ready for shipment.



200 B.C.

A Greek named Hero designed a simple machine (the aeolipile) that used steam as a power source to rotate a ball.

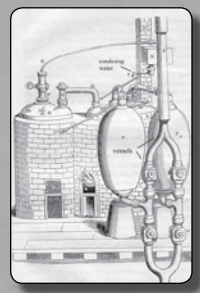
1629

The beginning of steam turbine development was introduced by an Italian named Branca when he channeled steam to a wheel causing the wheel to rotate.

1660

Sir Isaac Newton proposes that a jet of steam could be used to power a carriage, an idea now considered to be a precursor to development of the jet engine.

1698



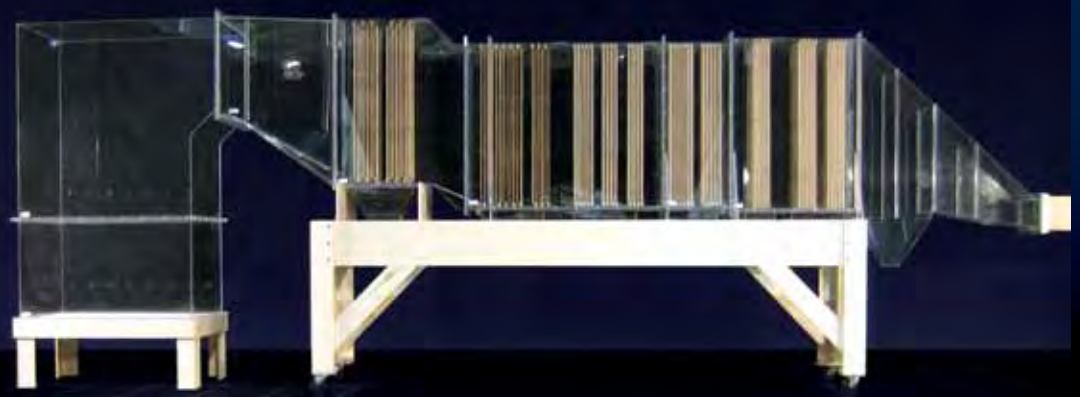
Thomas Savery patents "the Miner's Friend," a machine that pumps water from coal mines. It becomes the first practical machine powered by steam.

1779

First steam powered mills. Crompton's "mule" combines Hargreaves' and Arkwright's machines, fully automating the weaving process.

1783

American inventor Oliver Evans patents the tube boiler. Marked increases in engine efficiency result.



When the job calls for it, we can engineer a 1/8th working scale flow model of our boilers and the accessory equipment that accompanies it. These models can test air flows and can offer us valuable insight into where ash or other deposits may be formed on the tubes or in the equipment. This ensures you, the customer, the comfort of knowing that your equipment will be designed and engineered correctly. It's part of our research and development and yet another way that we can offer the extra degree to our customers.

1807

Robert Fulton's ship the "Clermont" becomes the first steamship to provide regular passenger service in America – New York to Albany, a distance of 150 miles.

1825

The Stockton and Darlington Railway was the first public railway to use steam locomotives.

1841

Paul Hodge builds the first steam-powered fire engine in America. He is scorned by the volunteer firefighters of New York.

1889

The American Society of Mechanical Engineers (ASME) standardized the term "Boiler Horsepower" as being based on a conventional steam engine steam rate of 30 pounds of steam per hour (PPH) at 70-psig pressure and feedwater of 100 degrees F.

1999

Victory Energy launches out to become a leading boiler supplier to the power industry and changes the face of history. Full Steam Ahead!

VICTORY ENERGY

» MANUFACTURING

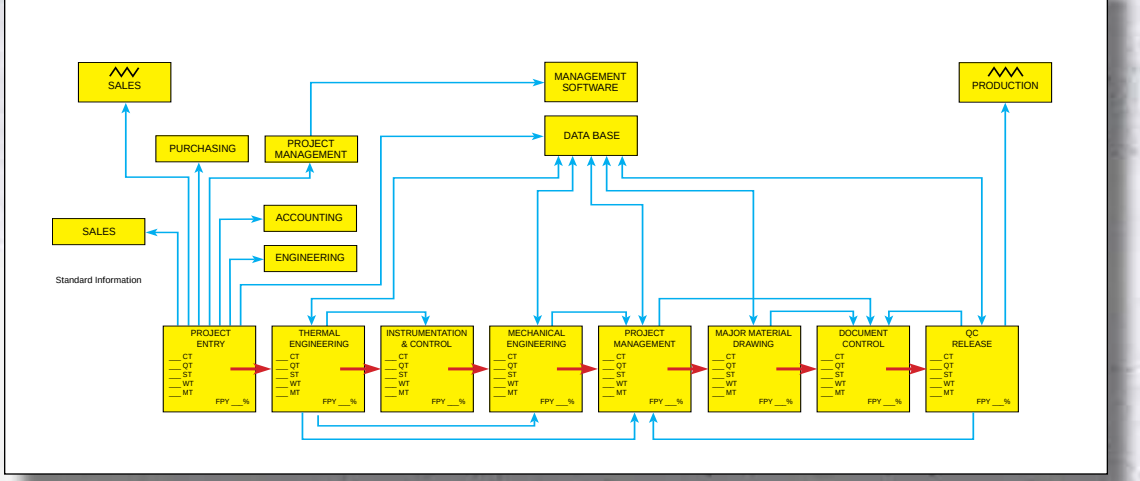
Lean and Clean

Lean Manufacturing

When you visit our manufacturing floor, the difference is immediately evident. Everything is clean. Everything is streamlined. Everything is compartmentalized. Everyone is focused on the job they have to do.

Our focus is on continuous improvement — always. We are implementing and will continue implementing LEAN principles and measures to identify waste and eliminate it in our processes. We have made great strides in this area to date with noticeable changes being made throughout manufacturing.

Our goal is to improve productivity by working smarter, not harder. To do this we are training our supervisors and employees on ways to use metrics and other tools such as Value Stream Mapping, 5S Manufacturing, and others, to identify waste and to systematically eliminate it. The end result is a streamlined production process that will reduce man-hours, reduce build cycle time and maintain and improve quality.



Value Stream Mapping — Future State: 11 Series standard Victory Energy project.

Capabilities

	COLLINSVILLE, OK PLANT	CUSHING, OK PLANT
Facility Type	ASME Code Certified, High Bay	ASME Code Certified, High Bay
Facility	101,750 sq. ft.	68,250 sq. ft.
Cranes	• Two 50-ton cranes in center bay • Two 10-ton cranes in pressure vessel bay • Four smaller overhead cranes	• Three 50-ton cranes in center bay • Two 20-ton cranes in adjacent bay
Other Floor Equipment	• Pyramid rolls, computer-operated plasma cutting table, plate shear, press brake, Hem saw, radial drum/tube sheet drill press, membrane welder, tube bender, submerged arc welders, iron worker	• Larger pyramid rolls, computer-operated plasma cutting table, plate shear, press brake, submerged arc welders, iron worker, Hem saw
Products Manufactured	• Voyager, Discovery boilers/parts • HRSG Boilers	• 12' diameter, 110-ton Steam Tube Dryers • Voyager, Discovery boilers/parts • HRSG Boilers • Ductwork, Support Steel, Stacks

1 - SORT

Clearly distinguish needed items from unneeded and eliminate the latter.

2 - STRAIGHTEN

Keep needed items in the correct place to allow for easy and immediate retrieval.

3 - SHINE

Keep the workplace neat and clean.

4 - STANDARDIZE

The method by which "SORT", "STRAIGHTEN" and "SHINE" are made habitual.

5 - SUSTAIN

Maintain established procedures.

ASME and NB Code Compliant

Over 100 check-points are in place for Quality Control. Each project is tracked and managed by an ITP (Inspection Test Plan).

ITP Ensures Quality Control

As in every area of the Company, Victory has gone to great lengths to develop our own, highly defined Quality Control processes. An Inspection Test Plan (ITP) with detailed checklists accompanies each product throughout the manufacturing process. Each product is subjected to extensive hold points. Manufacturing pauses while the Quality Control department inspects the product, checking to ensure perfection before the product proceeds to the next step.

A single Victory boiler endures more than 100 hold points.

Victory also has made a significant investment to develop a proprietary Jig-Rig System. This adjustable steel structure supports the drums while we make modifications prior to stabbing the tubes into the boiler – ensuring that the tubes fit 100% perfectly into the finished unit.

The payoff for our customers is a safe, reliable, quality product that installs and performs exactly as it is supposed to – from day one.

Victory Energy's "U", "S", and "R" stamp.

Victory has ASME and NBIC Certificates of Authority to design, construct and repair boilers and pressure vessels at both of its manufacturing facilities and at job sites. In order to construct ASME and NBIC repairs of boilers and pressure vessels, we were required to contract with an Authorized Inspection Agency. This Authorized Inspection Agency provides third party inspectors, who verify adherence through all stages of construction. Victory is audited annually by the contracted Agency and every three years by the National Board of Boiler and Pressure Vessel Inspectors.

Victory Energy also has a UL Listed certified panel shop that facilitates the building of our control systems.

Orbital TIG welding increases efficiencies and quality of welds.

Sub-arc cell.

Tube bending cell.

Plate rolling cell.

Beginning stages of the assembly process for a D-style watertube boiler.

Final inspection of an HRSG module prior to shipment by rail.

» PRODUCT LINES

HORIZON® series

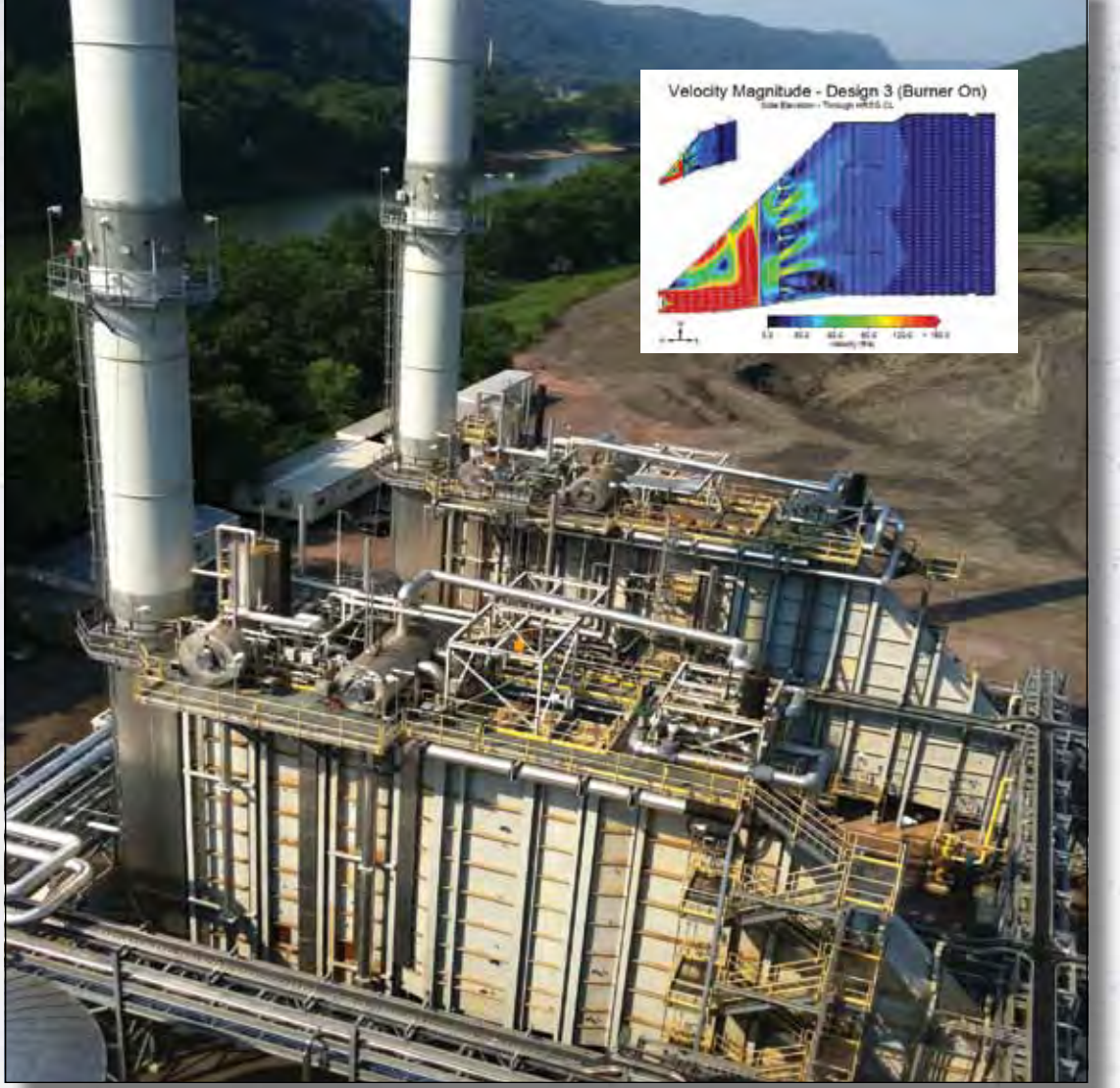
Heat Recovery Steam Generators (HRSG's)

Victory Energy thrives 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 is essential to producing heat recovery systems that are, by design, engineered to be the most reliable steam generators in the world. Our approach to modularization is designed to maximize shop assembly while minimizing costly field labor and delivery time.

Gas or oil-fired, our HRSG Horizon® Series can be configured to provide saturated or superheated steam from 5,000 PPH up to 300,000 PPH in a single-packaged system.



Erosive and corrosive resistant solid fuel (coal-fired) HRSG.

Three of six HRSG modules designed to ship by railway transport.

Modular designed, field-erected utility combined cycle HRSG.

HRSG modules are designed for ease of lifting and movement.

A 450K PPH waste heat recovery project, expected to produce upwards of 40 megawatts.

HORIZON® series

Waste Heat Recovery

The Victory Energy watertube heat-recovery boiler (patented technology) is one of the most flexible, cost effective and technologically advanced units on the market. Our proprietary fintube design allows us to manufacture our boilers with the smallest footprint in the industry, and greatly reduces radiant heat loss to contain energy costs.

Whether the need is hot water, steam (saturated or superheated), or high-temperature thermal fluid, the Victory Energy Waste Heat Boiler will do the job. Available from low capacity needs of 5,000 PPH to 200,000 PPH, (and larger capacities in our modular style units) 100 PSIG to 1,500 PSIG design pressure, and steam temperatures to 1,050 degrees F.

Customers can choose from a large selection of process waste heat boiler designs including single-pass, two-pass, three-pass and supplemental fired-waste heat units.

Firetube HRSG's

Utilizing our experience and proven design, Victory provides customers with reliable Firetube HRSG's that are easily maintained. We can help to determine needs for specific facilities depending on the application and budget constraints. Our engineers can also custom design Firetubes to fit unusual applications, resulting in tremendous savings. Capabilities include up to 800 PSIG design pressures.

Custom engineered WHB for sulfur recovery.

A Victory Energy HRSG installed at an ethanol plant.

Load-out of "O" type WHB designed to produce 100,000 PPH of super heated steam at 850 PSIG/824°F.

"O" style membrane wall HRSG, designed to operate with 15-MW gas turbines.

Victory Energy specializes in large-scale fabrication of boilers and pressure vessels.

MSW boiler equipped with large Davit doors for easy access.

VOYAGER "O" STYLE BOILER

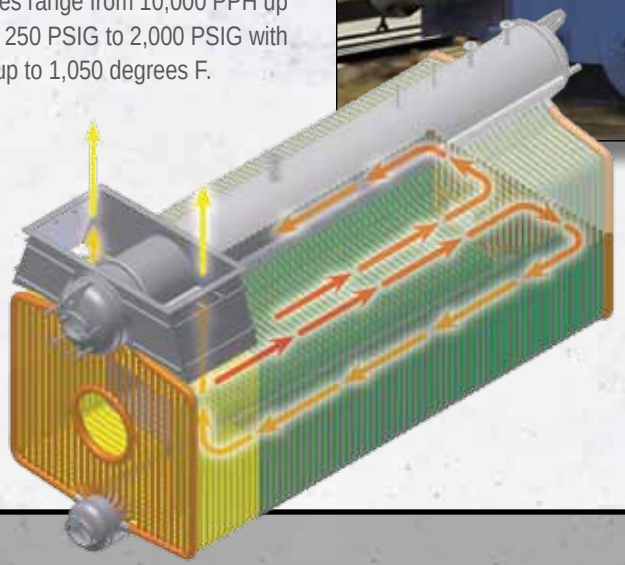
The Victory Energy VOYAGER® O-style Boiler is designed to provide a rapid ramp rate and is easy to ship, install, operate and maintain. These versatile robust boilers have become very popular for applications that are extremely demanding in harsh environments. It's symmetrical configuration is ideally suited for restrictive floor plans, while the gas outlet allows the addition of an enhanced heat recovery system in a vertical configuration to ensure a slim footprint.

Each VOYAGER O-style Watertube Boiler is custom engineered with constructability in mind. Steam capacities range from 10,000 PPH up to 500,000 PPH, design pressures from 250 PSIG to 2,000 PSIG with saturated and superheat temperatures up to 1,050 degrees F.

☑ ***Total integration ensures efficient*** *interaction of all components.*

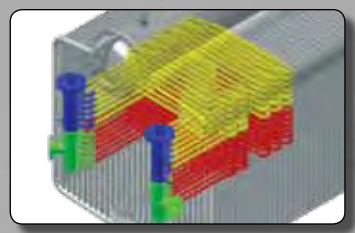
☑ *Easy access is provided through manways at both ends of the drums.*

☑ *Large, welded water-cooled, gas-tight furnace areas are designed to yield optimum emissions performance, boiler reliability, and longevity with reduced maintenance costs.*



MODEL	MAX CAPACITY	HEIGHT	WIDTH	LENGTH
VS-1	25,000 PPH	13'-7"	8'-9"	14'-0"
VS-2	37,000 PPH	13'-7"	9'-8 3/4"	16'-6"
VS-3	55,000 PPH	13'-11 3/4"	10'-5 3/4"	19'-6"
VSM-75	75,000 PPH	14'-0 7/8"	11'-9 3/4"	22'-7"
VS-4	85,000 PPH	14'-7 3/4"	11'-9 1/2"	25'-10"
VS-5	127,000 PPH	15'-1 3/4"	12'-6 1/2"	32'-2"
VS-6	165,000 PPH	16'-1 7/8"	12'-10 1/2"	35'-2"
VS-7	250,000 PPH	17'-4"	12'-11"	42'-6"
VS-8	300,000 PPH	Dimensions vary with operational requirements.		

Larger sizes are available with barge shipments.



DISCOVERY® series

DISCOVERY "D" STYLE BOILER

DISCOVERY® D-style boilers are designed with large furnaces; this conservative approach reduces harmful emissions. VEO boilers are engineered for long-term reliability and are well suited for high-pressure superheated steam applications with restrictive heights. Convective style superheaters are desired when fuels are heavily laden with ash and superheat is required.

DISCOVERY D-style boilers are available from 10,000 PPH to over 500,000 PPH. Modular and field-erected sizes are also available. The DISCOVERY boiler can be customized with superheated steam. All superheaters are placed within the boilers convective zone to optimize performance and ensure a long, trouble-free life.

☑ *Each boiler is custom engineered and modeled with a complete circulation analysis.*

☑ *Boilers are 100% water cooled and refractory free front and rear walls.*

☑ *Conservatively designed tube layouts, coupled with large drums,* ***provide flexibility for all operational*** *conditions.*

MODEL	MAX CAPACITY	HEIGHT	WIDTH	LENGTH
DT-1	30,000 PPH	12'-10"	11'-1/2"	16'-8 1/2"
DT-2	50,000 PPH	13'-10"	11'-2 1/2"	20'- 1/2"
DT-3	100,000 PPH	15'-1"	12'-3"	27'-8 1/2"
DT-4	150,000 PPH	15'-11"	12'-6 1/2"	32'-8 1/2"
DT-5	225,000 PPH	17'-3"	12'-11"	37'-8 1/2"
DT-6	300,000 PPH	*	*	*

* Subject to design conditions

Larger sizes are available with barge shipments.

Custom Designed Solutions

Modularized Boiler Systems

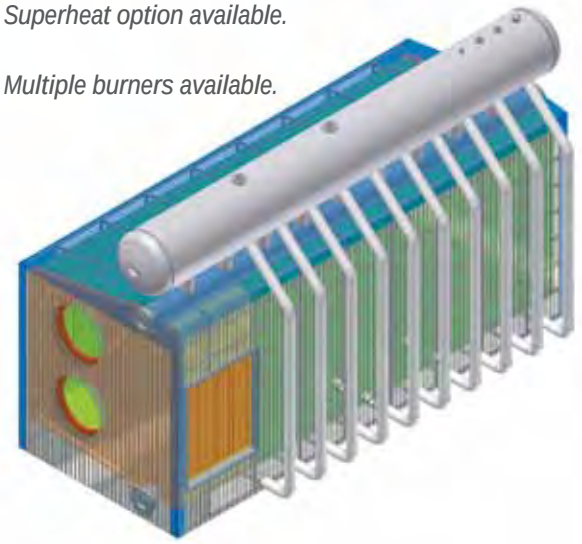
Victory Energy offers custom engineered "modular" solutions for high capacity applications, including; Process Steam, Thermal Heat, Enhanced Heat Recovery, Power & Utilities and Refineries & Petrochemical.

Elevated D-Style Boiler

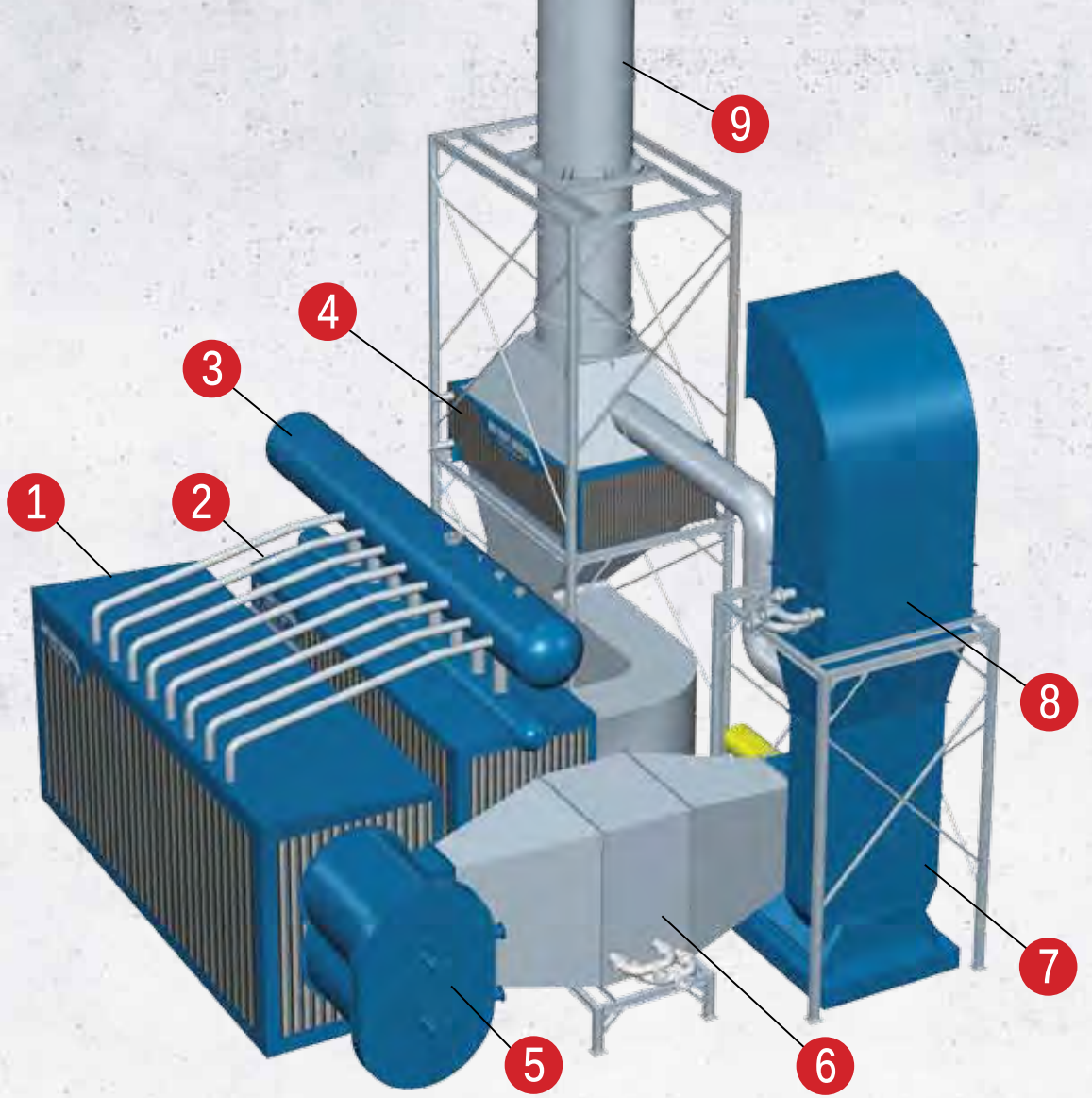
The D-style elevated boiler is a 100% membrane water-cooled furnace designed to reduce costly, time-consuming, annual maintenance.

Superheat option available.

Multiple burners available.



Elevated drum design maximizes shop assembled ***content while minimizing the cost of field labor costs*** *often associated with high capacity boilers.*



1 - Furnace
2 - Convection Bank
3 - Elevated Steam Drum
4 - Economizer
5 - Low NO_X Burner
6 - Combustion Air Heater
7 - FD (Forced Draft) Fan
8 - Combustion Air Preheater
9 - Stack

FRONTIER® series

Packaged firetube wetback boilers

By design, the Frontier® Series 2-pass (integral economizer) 3-pass and 4-pass wetback boilers are engineered and built for minimum maintenance and maximum output. Wall-to-wall super-structure and rifled tubes ensure years of *extreme*-duty performance.

Victory Energy utilizes the "latest" burner/control technology available to establish the most dependable operation needed for your specific application.

Capacities: HP: 200 — 2,500 ● PPH: 6,600 — 87,000 ● Pressures: 150 — 600 PSIG.

22-gage Galvanized Steel jacket with 2-inch Mineral Wool Covering the entire shell.

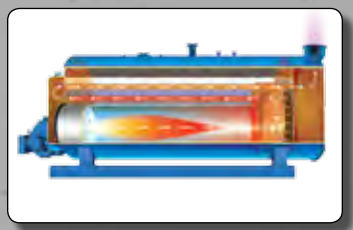
Generous furnace volume assures complete, adequate combustion and lower NO_X levels.

Heavy (extreme) duty skid to support boiler package.

Double davit doors for minimum space requirements.

Factory mounted burners come totally wired with required controls.

Extreme-Duty CERTIFIED



Typical 3-pass wetback boiler.

Rifled tubes are used on 3-pass boilers for optimum efficiency.

Tubes are rolled and beaded with a 3/4" to 7/8" ligament for maximum strength.

Deep turn-around for ease of maintenance and lower pressure drop.

Burner controls are factory installed and field tested to ensure optimum performance.

GO GREEN!

Green initiatives

From the start, Victory Energy has been committed to environmental leadership in all of its business activities. In addition to providing innovative solutions to increase alternative energy production, we are constantly looking for ways to improve renewable energy technologies and maximize waste heat recovery processes.

Our commitments are focused on industries where we have the greatest opportunity to make a difference:

- BioMass
- Bio-Renewables; Ethanol, BioDiesel
- Municipal Solid Waste (MSW)
- SynGas Heat Recovery
- Solar Energy; Concentrated Solar Power (CSP)
- Water Reclamation with Heat Recovery
- Waste Heat Recovery (Efficiency Improvement)

A second part of Victory Energy's sustainability initiative is our team of in-house engineers who provide the technical expertise that is required to design and manufacture *green* products that continue to set industry standards.

A-style open bottom biomass boiler..

Waste heat HRSG being transported to a municipal solid waste job site.

America's first natural circulation solar-powered boilers were engineered and manufactured by Victory Energy. The boilers have consistently produced super-heated steam with an average operating temperature of 800°F at a pressure of 900 PSI. Each receiver produces approximately 2.5 MW of power to the grid.

BIOMASS

BioMass currently supplies about four percent of the energy produced in the U.S.

BIOFUELS

BioDiesel provides numerous environmental benefits; it's non-toxic and it's biodegradable.

MSW

MSW is the source of about ten percent of the total biomass energy consumed in the U.S.

RENEWABLE ENERGY

Renewable energy will account for about a third of new electricity capacity added to the U.S. grid over the next three years.

WATER RECLAMATION

As the world's population continues to grow, water reclamation will play a key role in meeting future water needs.

EXPLORER® series

Enhanced Heat Recovery

Victory Energy offers heat recovery solutions for all your heat recovery needs. An Explorer Series® economizer from Victory Energy can "economize" your fuel usage by recovering energy that would otherwise be wasted.

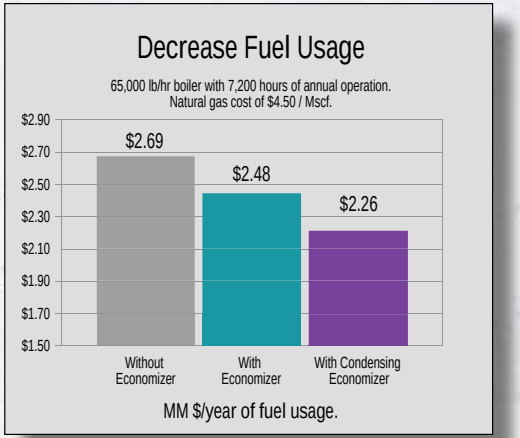
An Explorer economizer from Victory Energy can immediately reduce your fuel costs and carbon foot-print.

Victory Energy's heat recovery solutions are custom engineered, for your application, by our industry leading thermal design experts to maximize heat recovery. We provide solutions for gas-liquid, gas-gas as well as liquid-liquid heat transfer applications.

Every aspect of the design is chosen with the goal of providing a product that will perform trouble-free for many years. From selecting the right metallurgy for the application to the right enhanced surface and tube layout, based on fuel and fouling concerns, paying close attention to erosion, corrosion and vibration concerns, you can be rest assured that our heat recovery unit will be ideally suited for your application.

Victory Energy offers a complete suite of heat recovery products and accessories for all your applications, including:

- Boiler Feedwater Economizers
  - Rectangular
  - Cylindrical
- Condensing Economizers
- Waste Heat Oil Heaters
- Tubular Air Pre-heaters
- Liquid-Liquid heat exchangers
- Transitions, Stack, Support Steel, Controls, etc.



Tubular air pre-heater, typically used for very high flue gas temperatures, up to 1,750 degrees F.

Solid fins on an inline tube layout are best suited for dirty fuels.

Explorer Series rectangular economizer can be designed for boiler sizes ranging from 100 BHP to greater than 500,00 PPH of steam flow.

Serrated fins on a staggered tube layout are best suited for clean fuels.

Cylindrical Explorer Series economizer, suitable for boilers ranging from 50 BHP to 100,000 PPH.

Auxiliary Equipment

Made to order

In addition to the boiler systems we provide, we offer a wide range of auxiliary equipment which includes: ductwork, main stack assemblies, heat exchangers, economizers, control systems, fuel skids, deaerators, feedwater systems and water treatment equipment.

Free standing single wall stacks designed and manufactured by Victory Energy.

Low or Ultra-low NO_X burners are supplied for the Voyager and Discovery packaged watertube boilers.

An increase of up to five percent in boiler efficiency is achieved by adding an economizer to the system.

Feedwater pumps can be supplied with our boilers.

As a Single Source Supplier, Victory Energy can also provide Deaerators with any boiler package.

Control systems

Fuel Skids

Free Standing Stacks

Fully customized control systems utilizing the latest PLC technology

TITAN Level Equipment

TITAN®

LEVEL EQUIPMENT

Victory Energy introduces TITAN™ Level Equipment. Engineered for accuracy and built for long-term performance, the TITAN Level Equipment incorporates the industry's most reliable technologies with *robust* high-performance components.

TITAN water columns are manufactured exclusively by Victory Energy in accordance with ASME Boiler & Pressure Vessel Code. All wiring is high temperature rated to endure water column temperatures. In addition to custom level equipment solutions, Victory Energy offers comprehensive aftermarket service and support.

The Victory Energy TITAN steam drum trim equipment consists of the following major components:

- Boiler Water Column Assembly
- Water Gauges and Level Gauges
- Remote Water Level Indicators
- Auxiliary Low Water Cut-Out (ALWCO)
- Relay Panel Assembly

TITAN Water Columns are designed for allowable pressures up to 1,000 PSIG.

DIRECT-READING LEVEL GAUGE

The column has a direct-reading level gauge attached to it with level gauge valves.

REMOTE WATER LEVEL INDICATOR

The TITAN remote water level indicator is designed to be mounted in the control room and is powered by the water column relay panel.

AUXILIARY LOW WATER CUT-OUT

The auxiliary low water cut-out assembly provides an extra measure of safety for the critical drum water level condition.

RELAY PANEL ASSEMBLY

The relay panel assembly provides the relay logic power for the water column and ALWCO probes.

BY-PASS STATION

The by-pass station is used for blowdown, a routine preventive maintenance process.

» END MARKET SUPPORT

End Market Services

Crate expectations

In an industry where every second counts, there's no time for wild goose chases. That's why Victory Energy goes to great lengths to prepare our products for quick and easy assembly, right out of the crate. You'll never receive an unmarked "bucket of bolts" from Victory. We have developed our own tag-and-crate system that clearly identifies each part and provides easy, step-by-step instructions to get your product up and running, fast.

Tag and crate system clearly identifies each part to supply a no-hassle/ no-mess order process.

Project # — VE-566
Customer — CUSTOMER NAME HERE
Part # — E12

Field services

Of course, the industry's most efficient boiler is only part of what it takes to succeed. Your operation also needs good people with solid training. To further ensure your success, we offer an Operator Training Program prior to start-up, as well as recurring training programs to keep your veteran employees up-to-date.

When it's time to start the plant, our seasoned crew is on hand to ensure everything goes smoothly. Hundreds of new installations and years of proven performance makes our Field Services Department one of the best in the industry.

Services:

- Troubleshooting
- Engineering Review
- Boiler refurbishing
- Training
- Consultation

All field-work performed is ASME and NB code compliant.

Spare parts

Victory Energy is your one and only one-stop shop for replacement parts and tubes. It's simple: Our 5,000 sq. ft. parts/showroom stocks every spare part you could possibly ever need. Period.

We stock Honeywell, Fireye, Clark-Reliance, McDonnell Miller, Ashcroft, Foxboro, Allen Bradley, Warrick, and Yokogawa parts, to name just a few. Moreover, we have a strong national network with each vendor to ensure competitive OEM pricing.

Victory's spare parts department is on-call for you 24 hours a day, 7 days a week. We guarantee delivery within 24 hours, and often much faster. When needed, we are prepared to hand-deliver parts utilizing our fleet of company vehicles, trucks and trailers.

Every customer has a detailed, recommended spare parts list on file, tailored to their plant and boiler system. You can also order online 24/7 at www.victoryenergy.com. We'll set up a custom, online order page designed for your plant needs. There's nothing like the ability to place an order within minutes to give you true peace of mind.

5,000 sq. ft. of spare parts, ready to ship any where, any time.





Rental Boiler Fleet

Ready to roll

In an industry where timing is everything, being prepared is crucial. Victory supplies cost-effective mobile boiler rental units for virtually any utility, institutional and industrial steam application. Our trailer-mounted boilers range in size from 20,000 lb./hr. to 150,000 lb./hr. and operating pressure from 100-750 psi. These units are mounted on customized, highway-legal trailers.

Our mobile boilers can be dispatched directly to a job site, quickly and safely. We provide 24-hour phone service and 24-hour boiler-technician dispatch. Upon arrival, there are no cranes or rigging required; no need for special handling to load or unload boilers at either the job site or the storage yard. As a result, you save time and money. Custom trailers facilitate the maneuverability of trailer-mounted boilers. Because our mobile boiler systems are essentially self-contained, only connection to an electrical power source, fuel and water supplies, and a steam header are required for operation.

If your plant or facility isn't set up for a rental boiler, ask about our emergency steam docking station to save time and money.

We also have the capability of providing mobile water treatment systems designed to operate with our rental boilers. Our equipment and services are available 24/7.

Our optional mobile water treatment systems include deaerators, water softeners, boiler feedwater pumps and a chemical treatment system, pre-piped and wired within a standard 45'-0" over the road enclosed trailer.





Transportation

We're in this for the long haul

When you purchase or rent a boiler from Victory Energy, you're working with over 40 years' combined heavy hauling experience. We're proud of our perfect National DOT safety record. Our transportation staff is always friendly and willing to consult on any off-loading or special needs situation. We always keep customers informed with daily updates on our progress to the job site.

Victory Energy utilizes the finest hauling equipment money can buy, consisting of heavy-haul Cozad trailers equipped with rear steer and front & rear hydraulic towers (rated to haul 260,000 gross lbs.), top-of-the-line semi's equipped with on board certified scales, and a large fleet of field service vehicles. We also have experience with national inland waterway barges, and extensive railroad transport experience. With a very strong national network of carriers, escorts, DOT representatives, and local law enforcement to assist in safety planning, we're confident we can support your most demanding transportation needs.

A pair of 220,000 PPH watertube boilers being delivered to Canada on special "perimeter-frame" trailers.

World-class logistics team demonstrates proven expertise for tough installations.

With the Port of Catoosa just a few miles away, Victory Energy can easily deploy barge shipments.

A pair of D-style boilers being shipped by barge.

120,000 PPH prepared for rail shipment.

205,000 PPH with no burner shown on our 13 axle Cozad heavy haul trailer.

A coal-fired boiler being delivered across country on a Victory Energy heavy-haul Cozad trailer.

Our greatest mission is customer satisfaction

Victory Energy Operations purpose is to provide the industry that we serve, the most efficient, well engineered boiler system available today and for years to come. Our business principles are founded on honesty, integrity, trust and confidence. We are striving to improve our products and services each and every day. We keep ahead of our competition by constantly developing cutting edge technology that affords us the opportunity to "set the standard" to which our competition will be measured.

Our ambition ensures future growth for our business in emerging markets. Our business plan and marketing strategy demands that we develop strong working relationships with the most dynamic and experienced manufacturer's representative force in the United States. Trust from our customers and our representatives cannot be purchased, it has to be earned! The products we design and manufacture will not lack in design or quality; they will exceed our customers every expectation! Most importantly, we will strive to be the best we can be and with your help we will accomplish great things together!

Sales and Service Support – Our representatives span the Americas from as far north as Alberta, Canada to as far south as Chile and Argentina in South America. We have an extensive list that is growing worldwide, and we are always proud to welcome new representatives to the Victory Team.

Victory Energy maintains a comprehensive network of conveniently located sales representatives within major U.S. Cities to assist our customers. For a current listing, please visit our website at www.victoryenergy.com.

VICTORY ENERGY®

FOLLOW A LEADER

www.victoryenergy.com

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ABMA
American Boiler Manufacturers Association