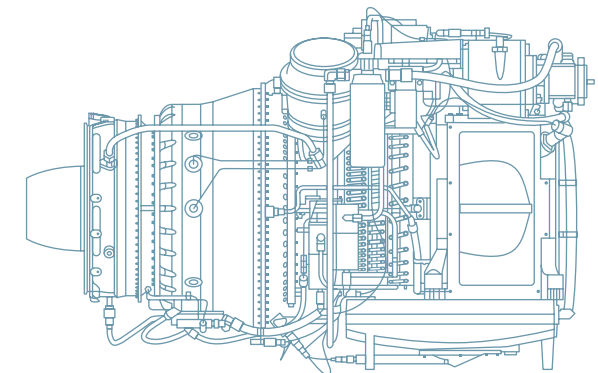


Optimum power. Outstanding people.



## The company

Vericor is responsive, customer focused, and flexible.

### Our mission

In partnership with our customers, Vericor's mission is to deliver optimum aero-derivative, gas turbine-based power solutions and related services for propulsion, mechanical drive and electrical power generation applications. Vericor is dedicated to being responsive, flexible and customer focused while providing quality, cost-effective solutions and services.

### Our organization

Our team is made up of highly skilled experts. But it's not just our expertise that makes the difference. Our organizational structure enables us to be flexible in our approach, design and implementation—avoiding the bureaucracies of more traditional providers. And, we work hard to understand our customer's needs, respond quickly and take immediate action to solve problems. Our customers have access to everyone on the team, from Customer Service to the CEO.

### Our parent company – MTU Aero Engines

MTU Aero Engines is a global leader in the development, manufacture and repair of commercial and military gas turbine engines. Customers across the world value the expertise, background and reliability that MTU utilizes to meet and exceed expectations. MTU's high quality and reliability standards characterize the company's products and services. MTU's regional presence in many parts of the world, make it a preferred partner to customers worldwide.

### Customer focused

At Vericor, we treat our customers like partners. From the beginning, Vericor creates lasting relationships with our customers from defining the initial project requirements, through on-going maintenance and support. We are determined to give our customers what they need. We don't believe in one-size-fits-all. By tailoring our power systems to meet the needs of each individual customer we are able to offer an optimal solution.

### Worldwide support 24/7

Around-the-clock customer support is an integral and critical part of Vericor's total solution. Customers are assigned a Customer Service Manager to ensure their engine system operates reliably and cost-effectively. Vericor offers custom-tailored training, service and quality parts. Vericor also provides local aftermarket support worldwide.

### World-class products and technology

Vericor Power Systems is the OEM of the TF series and ASE™ series gas turbine engines. Our gas turbine solutions offer both cost-efficiency and optimum performance to deliver the speed required for marine applications, rugged reliability for offshore applications and operational efficiency needed in industrial applications. Our solutions include:

#### Marine:

##### TF series gas turbines

- TF40
- TF50
- ETF40B

##### VPS series gensets

- VPS1M (ASE8)
- VPS3M (TF40)
- VPS4M (TF50)

#### Industrial/Oil and gas:

##### VPS series mechanical drive and gensets

- VPS1 (ASE8)
- VPS3 (ASE40)
- VPS4 (ASE50)

### Core markets

Vericor knows the importance of understanding and meeting the needs of our customers. That is why we focus our expertise in key markets—marine, industrial, and oil and gas.

#### Marine

With proven performance and state of the art engineering, Vericor's TF series gas turbines offer high power to weight ratio marine propulsion and power generation solutions. Vericor understands the specialized needs of commercial and military customers including meeting their rigorous specifications.

#### Industrial

Vericor's OnSitePower™ solutions for power generation/cogeneration put our customer in control. Our solutions meet the power and thermal requirements of our customers while optimizing their operations and cost savings.

#### Oil and gas

The robust, compact and lightweight design of our mechanical drive and power generation packages make them an ideal solution for on- and offshore applications. The high reliability and ease of maintenance also contribute to their value for this demanding market.



The Wallypower 118 is powered by three Vericor TF50 gas turbines.



Offshore oil rigs are ideal applications for compact, aero-engine technology.



The bulk of engine maintenance can be performed on-site.



Vericor's VPS gensets are powering a number of different industries.



TF50 powered mega yachts are the ultimate in high speed luxury.



The U.S. navy's Landing Craft Air Cushion (LCAC) uses four TF series gas turbine in each craft.

## Driven by speed and power

### Marine market

#### TF series engines

Vericor's gas turbines are proven and in service with the US Navy and navies worldwide. We provide rugged and reliable propulsion and power generation solutions that are designed specifically for marine installations. Our compact, lightweight TF series marine gas turbines—TF40, ETF40B and TF50—deliver the power and speed our customers need, and are backed by our team of marine industry experts to meet any specific requirements. In addition, our TF series gensets are suitable for a wide variety of military and commercial vessels whose integrated power systems can benefit from weight optimized power packages.

Our TF series marine gas turbine originated at the AVCO Lycoming Engine Company. The TF series, first developed for US Naval service, has been upgraded and improved through successive models. Today's TF40, ETF40 and TF50 continue to serve navies and commercial customers worldwide with several hundred thousand hours of accumulated service.

Our lightweight, cantilever-mounted gas turbine engines provide many times the horsepower over diesel engines for the same installed weight at a lower installed volume. Our compact, modular design reduces maintenance costs and increases availability.

The TF series gas turbines are especially well-suited for fast patrol boats, fast attack craft, corvettes and hovercraft as well as commercial propulsion applications such as fast ferries and mega-yachts.

#### The gas turbine advantage for marine drive:

- Operates on marine diesel fuel
- Smallest installed volume/lowest installed weight
- Modular engine design minimizes maintenance cost
- Simplified installation with cold end drive and cantilever mount
- Precise digital engine control and monitoring
- No warm up needed and start capability down to -50 °C
- Low vibration levels and ultra low emission levels
- Low structure and waterborne noise
- Single and twin packages can be used for either boost power or main power
- Engine starting can either be electric, hydraulic or pneumatic
- On-condition maintenance plan
- Ideally suited for CODAG and CODOG systems
- Classification through ABS, DNV and others



The mega yacht "Detroit Eagle" uses one TF50 in a center boost configuration.



The Pershing 115: 55 knots with a Vericor designed propulsion package.



The 50-meter Feadship "Sussuro" has a double TF40 center boost.



## Industrial/Oil and gas markets

Right size. Right weight.  
Optimum power.

### VPS series package and OnSitePower™ solutions

Vericor's VPS series package and OnSitePower solutions provide cost effective power generation and mechanical drive solutions. The reliable, compact and rugged ASE8, ASE40, and ASE50 aero-derivative gas turbines are the cornerstones of the VPS series packages.

#### Power generation (Cogeneration/CHP)

Reliable and cost efficient power and thermal energy play a significant role in many industrial operations. With proven reliability, flexibility and simple installation, our VPS series gensets are a cost-efficient power generation solution. When combined, multiple units are an effective way to meet varying energy demands. Our OnsitePower turnkey solution provides our customers with a single source from engineering, permitting, construction and installation to start-up and full maintenance programs.

#### Mechanical drive

Vericor's VPS series packages with twin shaft ASE series gas turbines are well suited for centrifugal pump and compressor applications for onshore and offshore locations. Our aero-derivative units offer high part-load efficiency and low overall operating cost. Our size class is ideal for gas gathering, liquid pipelines, refrigeration and other upstream requirements.

#### Mechanical drive and power generation—offshore

Space and weight are at a premium in the offshore environment and they can have a big impact on total platform/FPSO costs. The VPS series packages have the smallest footprint and highest installed power to weight ratio in their class. VPS series packages are API, ABS and DNV compliant.

#### Strength in availability

Our packages are designed for reliability and efficiency. The proven design incorporates a simple cantilever mounting of the ASE series gas turbine to the reduction gearbox. The close coupled design of the VPS series packages minimizes the footprint.

#### Benefits:

- Highest installed power to weight ratio in its class
- Cold-end drive, close coupled configuration with axial exhaust
- Modular design results in high unit availability
- Minimal alignment during start-up and change outs
- Stable operation of rotating equipment in the harsh offshore environment
- Utility cost savings through high cogeneration efficiency
- API, ABS & DNV compliant



A VPS3 genset using the exhaust to dry fiberboard in the Western U.S.



VPS series gensets come in indoor, outdoor and mobile configurations.



A VPS genset with heat recovery at a printing plant in Utah, U.S.A.

