



Gas turbine
maintenance improvement experts
LM2500(+,DLE) LM6000(PA-PH) TM2500(+)



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Who are VBR Turbine Partners?

Global independent technical & digital maintenance improvement experts & spare parts suppliers for GE:

- LM2500 (+, DLE)
- LM6000 (PA – PH)
- TM2500 (+)

engines, control systems, auxiliaries and enclosures.

One-stop full-service maintenance provider for all LM engines. (Without doing everything ourselves ...)

Not an engine overhaul depot ... but we can assure that our customers will get:

- the best possible overhaul
- at the best available price
- for their specific operating profile
- from their choice of OEM (licensed) depot.





Who are VBR Turbine Partners?

Advanced capabilities on:

- Speedtronic and Woodward control systems (upgrades, retrofits)
- engine health condition monitoring (MetalSCAN)
- digital engine modelling (digital twin, simulator)
- smart remote operation & maintenance support (DECIDE, RAPID).





Why was VBR founded?

In the 90's Thomassen International was known for their customer-focused and flexible all-round one-stop maintenance service approach.

After the GE takeover in 1999 the “OEM way of working” was imposed upon the Thomassen organization.

Three experienced service engineers then decided to leave Thomassen to start their own independent GE LM spare parts and maintenance services company with the ambition to become the trustworthy gas turbine experts for LM users worldwide.





VBR core values and customer promise

Our dedicated customer orientation is rooted in four core values:

- adding value
- independent
- professional & friendly
- continuous improvement

These core values enable us to keep delivering on our customer promise “support beyond expectation”.





History of VBR Turbine Partners

- 1999 – GE takes over the aeroderivative department of Thomassen International in Rheden, NL
- 2000 – Start of **VBR Turbine Parts**
- 2002 – Mechanical field service
- 2004 – Controls & instrumentation
- 2005 – Condition monitoring
- 2006 – Education & training
- 2007 – Company renamed to **VBR Turbine Partners**
- 2008 – Engine overhaul consultancy & hot section exchanges on site





History of VBR Turbine Partners

- 2011 – UK service office
- 2012 – Meggitt partnership and OEM authorized valve overhaul facility
- 2014 – Control system retrofits
- 2016 – RAPID remote problem solving
- 2017 – DECIDE remote decision support
- 2018 – LM2500 lease engine
- 2019 – Det-Tronics fire & gas safety solutions
- 2019 – Development AutoTune DLE (with PSM & ATH)
- 2020 – 20 years of VBR support beyond expectation





Certifications

ISO 9001:2015 (quality)

ISO 27001:2017 (information security)

ISO 45001:2018 (safety)

Authorized Economic Operator (customs & supply chain security)

Trace (anti-bribery)

Achilles joint qualification system (qualified supplier to Oil & Gas in Northern Europe)





VBR customer value proposition

We support GE LM users worldwide to improve reliability, availability & maintainability and to reduce day-to-day operation & maintenance costs in a sustainable way.

Independent maintenance improvement experts for aeroderivative gas turbines

ISO 9001:2015, ISO 27001:2017, ISO 45001:2018, AEO, Trace and Achilles certified

Specialized in LM2500(+) LM6000 TM2500(+) PGT25(+) gas turbines and control systems



VBR portfolio overview

Maintenance improvement solutions

Control system retrofits

Emission reduction retrofits

Engine relocation

Hot section exchange on site

Human error reduction

Inspection & repair

Maintenance agreements

DECIDE remote decision support

DLE mapping

Service interval & engine life extension

Spare parts management

RAPID remote problem solving

Maintenance improvement services

Condition monitoring

Controls & instrumentation field service

Education & training

Mechanical field service

LM2500 lease engine

Spare parts supply

Maintenance improvement expertise

Competence development

Engine overhaul consultancy

Control system commissioning



Maintenance strategies

Helpdesk

Technical audit, witnessing & second opinion



Remote digital services: DECIDE decision support vs. RAPID problem solving

	DECIDE  DECISION SUPPORT powered by VBR Turbine Partners	RAPID  PROBLEM SOLVING powered by VBR Turbine Partners
Service perspective	✓ Predictive & preventive maintenance	✓ Corrective maintenance
Service essence	✓ Remote operation & maintenance decision support	✓ Remote troubleshooting & problem solving
Service purpose	✓ Prevent engine downtime	✓ Reduce engine downtime
Service time frame	✓ Long-term	✓ Immediate
Cyber security level	✓ Certified 100% one-way acquisition of engine data, no external access to customer systems	✓ Certified Required immediate diagnostic access to customer systems 100% controlled by authorized customer employees



Authorized distribution partners

Meggitt / Whittaker Controls / PECC

MEGGITT
Valves

MEGGITT
Valve overhaul

Auxitrol Weston

AW
AUXITROL WESTON
AUTOMATED VALVES

Gastops MetalSCAN

MetalSCAN
ONLY BY GASTOPS

Harco Semco

HARCOSEMCO
EMPOWERED 2 BE BETTER

Aero Fluid Products

AEROFLUIDPRODUCTS

Det-Tronics

DET-TRONICS



Over 250 corporate, public sector & offshore customers worldwide

