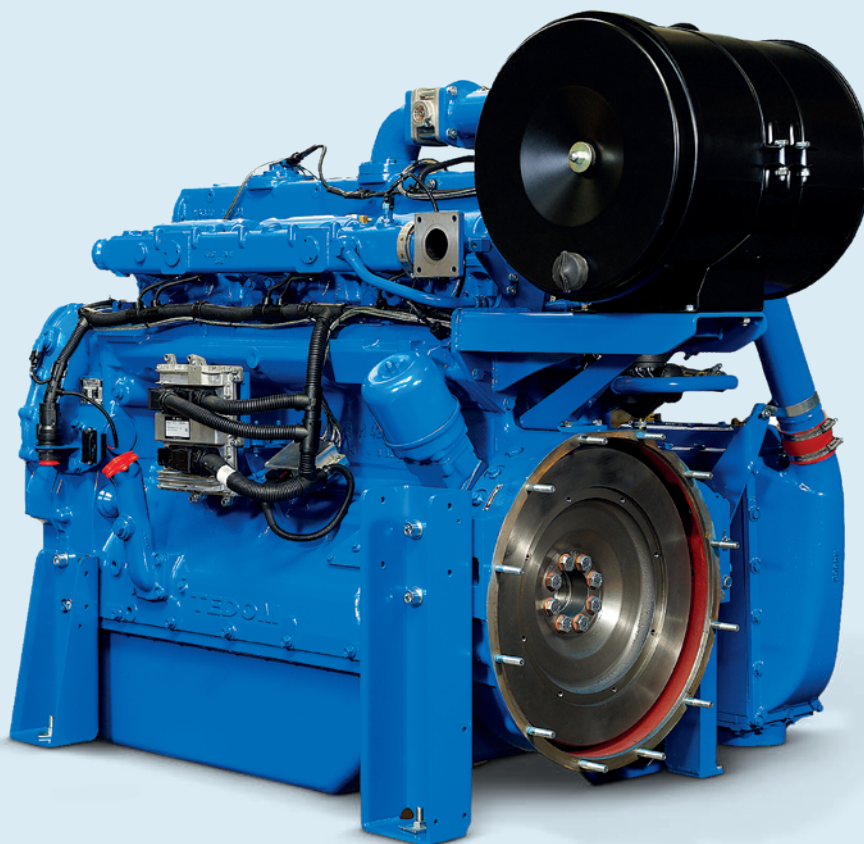


TEDOM
YANMAR GROUP



TEDOM Engines

TEDOM Engines



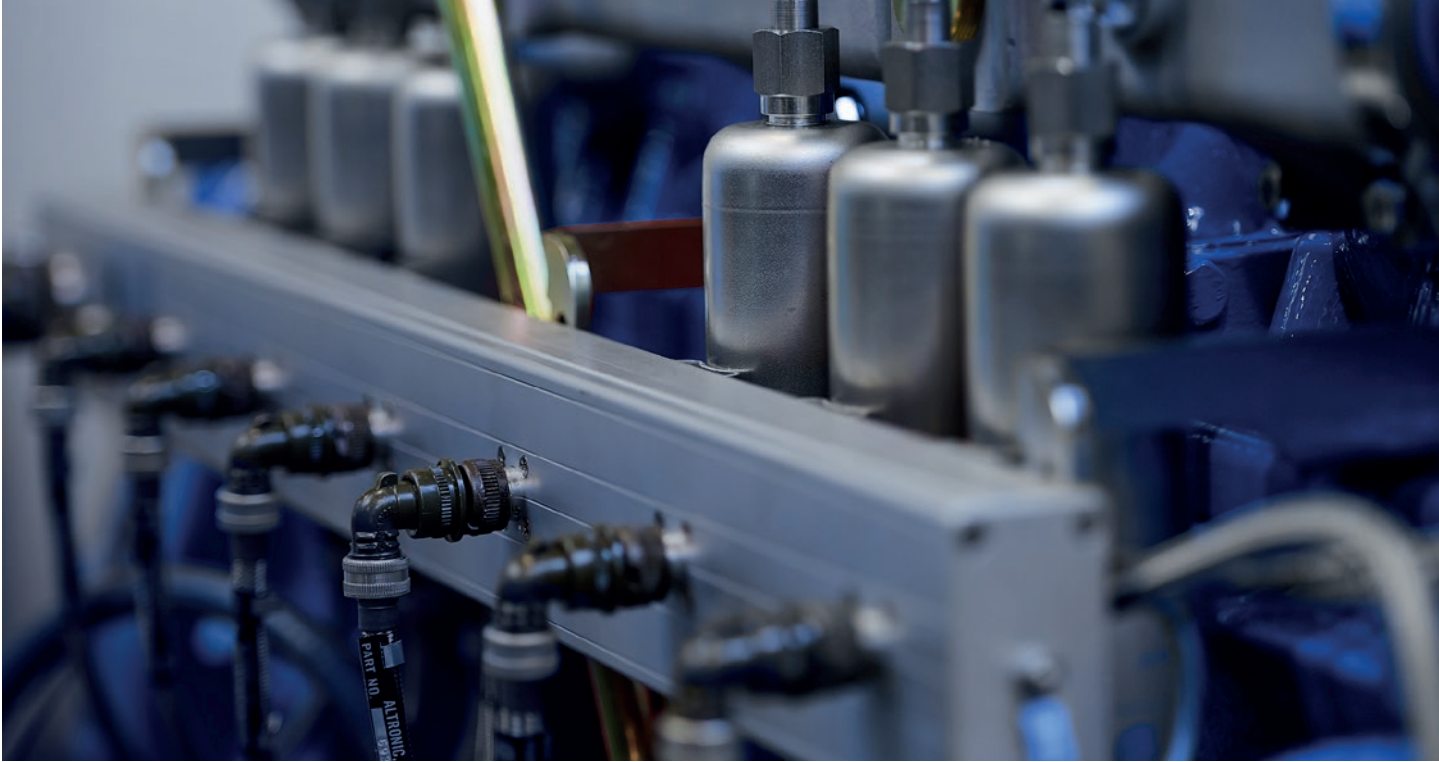
The TEDOM engine plant in Jablonec nad Nisou continues to further develop the rich tradition of the automotive industry and engine production in the Liberec region, which dates back to 1906. In 1953, the LIAZ – Liberec Automotive Works company was founded and a large engine manufacturing plant was built in Jablonec nad Nisou. This company LIAZ achieved great technical and production progress to become an internationally renowned brand, successfully exporting its products across the world.

└ New history

The new history of the company began in 2003 when the LIAZ engine plant in Jablonec nad Nisou was purchased by the TEDOM group. Engine production is currently an independent business unit of TEDOM, supplying engines and related services to companies within the TEDOM group and also to other customers of renowned brands.

└ Quality and durability

TEDOM engines are a result of our extensive experience with engine production, strong in-house design and development, facilities for performance testing and durability verification, modern production machines, and high-end quality control during the entire production process.



Design

Our in-house research and development department is continuously innovating our existing products, but offers solutions for various non-standard projects and applications, as well.



Development

Our experienced R&D team works on further development especially targeting efficiency improvement, prolongation of durability and lowering emission production. For this reason, TEDOM engines can fulfill even the most strict emission regulations and provide state-of-the-art performance with reasonable life-cycle costs.



Manufacture

The continuous modernization of our production, its organization and management methods enable our highly-effective and high-quality production. These manufacturing activities are supported by modern technological equipment for machining on NC and CNC machines.



Services

In parallel to new engine production, we offer post-guarantee repairs and overhauls of various engine types and brands, re-manufacturing of major engine components and repairs of injection systems. A significant part of our production focuses on component machining for other renowned engine builders.



Quality

TEDOM engines have implemented a certified quality management system in compliance with the requirements of the European standard EN ISO 9001:2008. All processes and activities of the company are constantly undergoing the process of continuous improvement.



Products and services

TEDOM specializes in the design and manufacture of engines for the most demanding applications such as gas engines for cogeneration, the oil & gas segment or other continuous-duty applications.



Design and
manufacture



Engines for
cogeneration



Continuous-duty
applications

Gas engines for power generation

Gas engines for power generation are our core product. We offer engines for almost any type of gaseous fuels ranging from standard natural gas or LPG, including various types of biogas up to pyrolysis gases. All engines are designed for continuous duty with a nominal load and are well-proven in our applications. The main advantages are extended durability, easy maintenance and low operation costs. Current product portfolios range from 30 kW up to 365 kW.



Gas engines for gas compression and other oil & gas applications

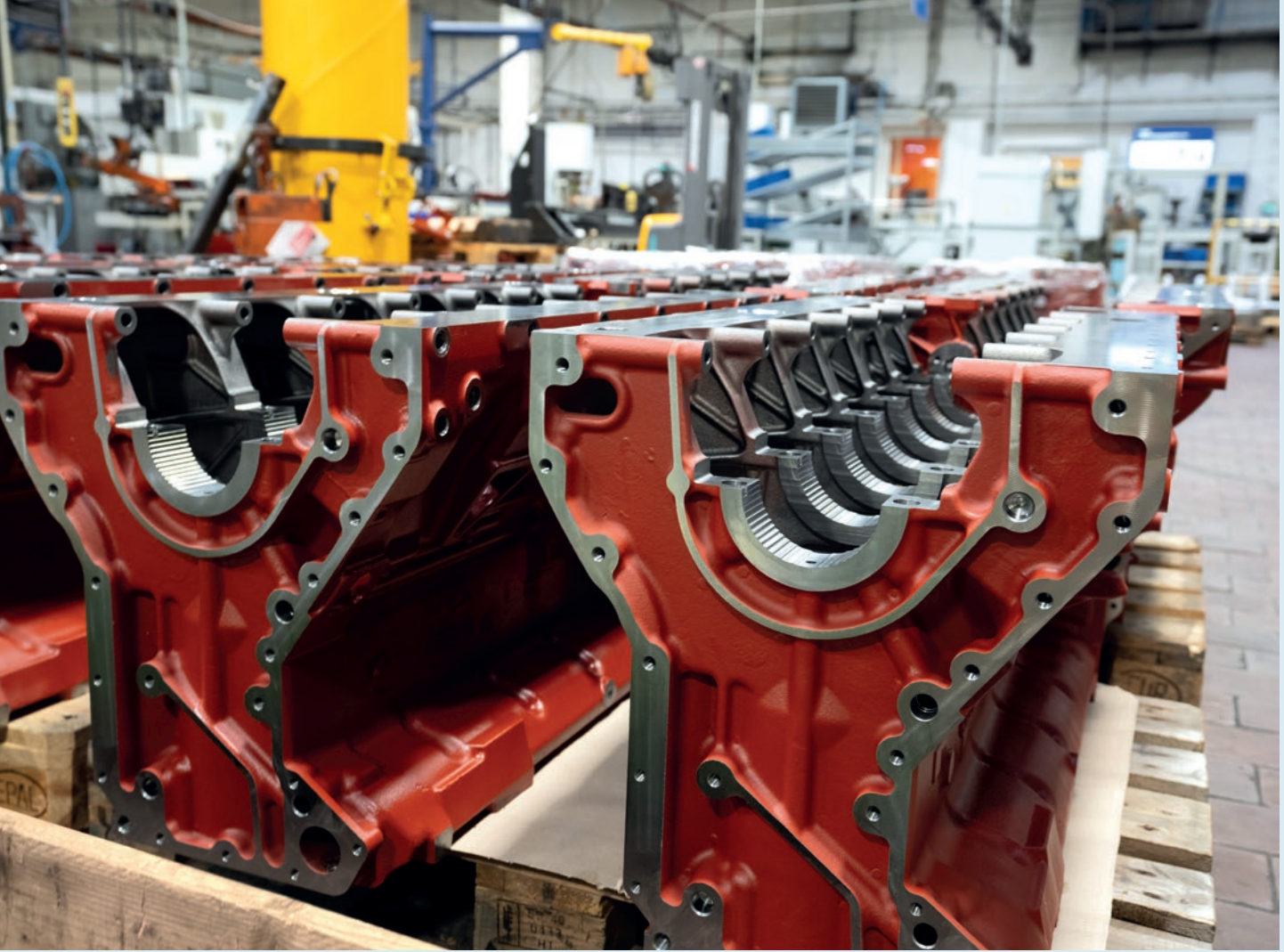
Particular types of TEDOM engines are available in versions equipped with shielded ignition systems, water-cooled exhaust manifolds and other ATEX or CSA Class I, Division 2 compliant equipment, enabling them to be the optimum solution for safe operation with gas compression or other oil-filled applications.



Diesel engines for railway applications

TEDOM offers diesel engines for DMUs or other special rolling-stock applications. Railway engines are available in both vertical and horizontal versions, making them suitable for underfloor installations. Our engines use a well-proven, simple, and robust design that can be equipped with mechanical or electronic controls. Our engines fulfill the current emission UIC III.B standard.





Component production

TEDOM offers the production of various engine components, currently supplied to multiple, well-known engine manufacturers, which confirm our high standard of production and quality control process. High production flexibility enables TEDOM to also offer economical production of parts in medium or low-volume scenarios.



Various engine components



High standard quality

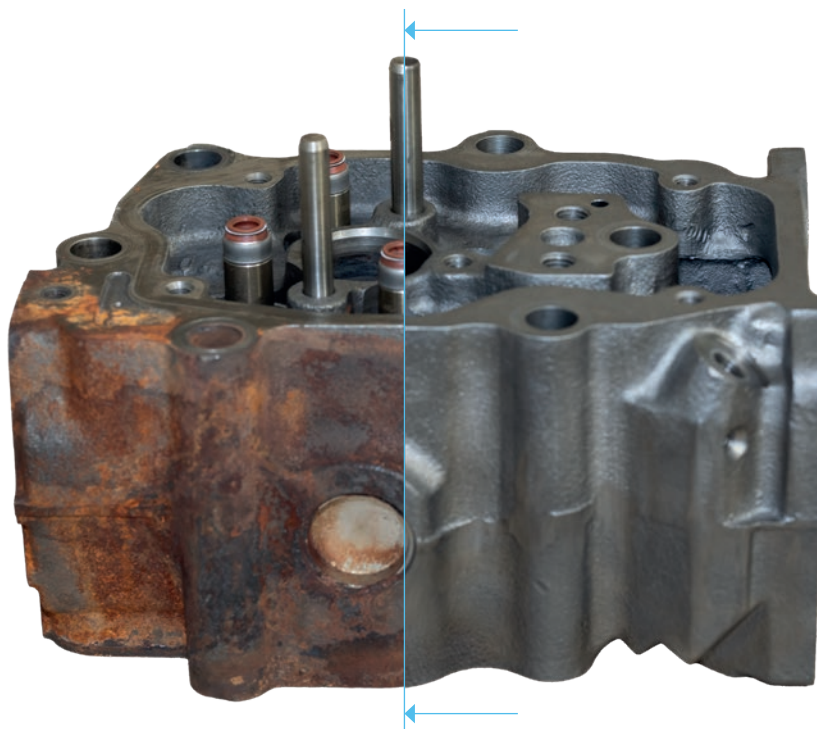


Low-volume scenarios

Renovation of engine components

With sustainability in mind, TEDOM also offers the renovation of various engine components that are subject to wear but could be re-worked to enable their continued use. This can cover our portfolio of cylinder heads, engine blocks, flywheels, crankshafts, and various other engine components.

For particular component types, TEDOM may proceed with an investigation and propose the best renovation scope, or carry out the renovation according to the request and design of the end customer. Renovated components go through the same quality control process as new parts. This enables us to achieve the best cost and material savings without any compromise on durability.



Complete engine overhauling

TEDOM can offer in-house overhauls of various engine types. Overhauls include a complete diagnostic testing of all engine components, renovation or replacement of all non-functional components, and a final engine test. To reduce equipment downtime and the customer's logistical stress, some engine models may be overhauled on an swap/exchange basis, where the overhauled engine is supplied immediately and an additional discount for re-workable components is granted after the older engine has been diagnosed.

Injection system repairs

TEDOM can offer the overhaul of various diesel injection systems and components from inline injection pumps including PD-injectors.

