



## POWERING YOUR BUSINESS

RELIABLE ENGINES FOR PROFITABLE POWER GENERATION

POWER GENERATION

**VOLVO  
PENTA**



### **PART OF THE VOLVO GROUP**

For more than 100 years, Volvo Penta has provided power to customers around the globe – in remote regions and extreme climates.

Volvo Penta is a part of the Volvo Group, the world-leading developer and manufacturer of heavy-duty diesel engines. The engines from the Volvo Group are used in trucks, buses, construction equipment, marine applications and all types of industrial applications.

The Volvo brand is strong and well accepted. Our comprehensive product range together with our worldwide aftermarket support is designed and adapted to meet all kinds of customer needs, all over the world.

### **INDEPENDENT SUPPLIER**

Volvo Penta is the Volvo Group's supplier of engines and we act as an independent supplier to the genset manufacturers. This means that we do not compete with our powergen customers.

### **THIS IS VOLVO PENTA.**

# IT'S ALL ABOUT **UPTIME** AND

Whether you are running our engines constantly or for emergency operations, reliability and uptime are a necessity. You will find engines that are not only reliable and durable, but they are backed up by a comprehensive aftermarket support; the global Volvo Penta Dealer network.

# COST OF OWNERSHIP

## FUEL - THE CRITICAL COST

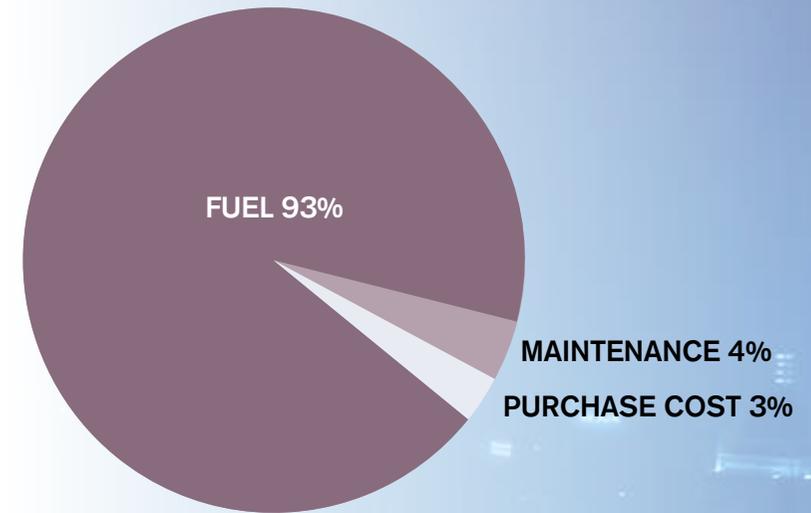
For a long time now, we have regarded fuel in engines as a critical factor. By constantly enhancing our engines' fuel efficiency, we have given operators of Volvo Penta engines a competitive edge.

Over a five-year period, as much as 90–95% of your total cost for operating a prime power installation is made up of fuel cost. When you look at the fuel efficiency of Volvo Penta engines and add to that, the recognised high quality and efficiency, you have all the basics for a sustainable operation.

## A PROFITABLE PARTNERSHIP

By establishing partnerships with you, together we can focus on maximising performance and functionality in each individual application. We can share know-how and let innovative thinking meet the demands of today's industry.

Because, at the bottom line, it's all about uptime and total cost of ownership.



Cost calculation for 13-litre Volvo Penta genset.  
10,000 hours of operation at 75% load.

# RELIABILITY IN ACTION

Functionality is the common denominator for all power generation operations. That is one reason why there is always a perfect Volvo Penta engine for your next power generation setup – irrespective of conditions and environment.

**PROVEN TECHNOLOGY** Volvo Group technology has enabled us to develop an engine range for a variety of power generation needs – reliable and durable engines with excellent load acceptance and efficient cooling, based on proven technology. When we introduced our first D13, more than 150,000 D13 engines had already proven themselves in different Volvo Group applications. This is just one example of our proven technology.



## STARTABILITY – A MATTER OF TRUST

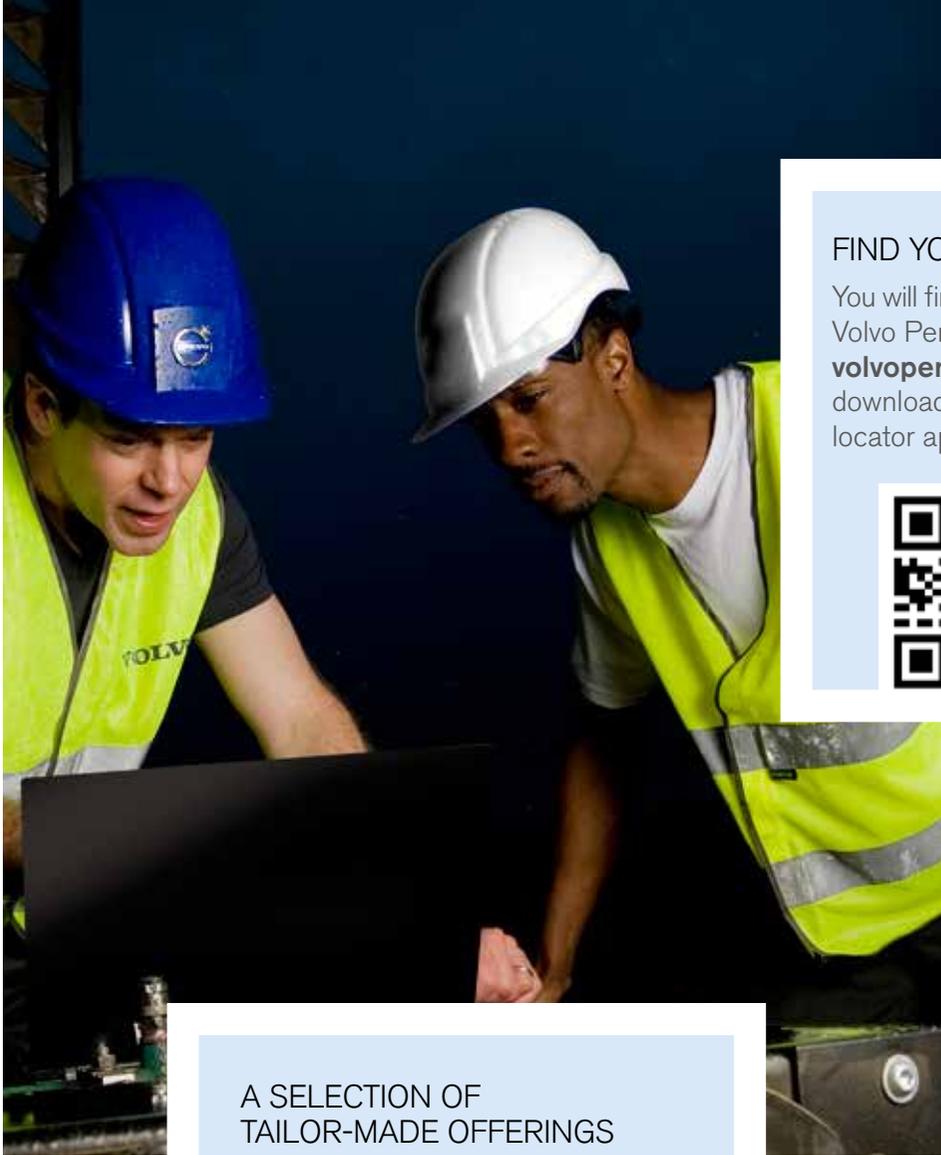
For emergency/stand-by operations, usually intended as a back-up in hospitals, nuclear plants etc., the rigorously examined Volvo Penta engines are characterised by their ability to immediately start and instantly deliver the sufficient load acceptance. You can rely on their performance.



**PROVEN IN HARSH ENVIRONMENT.** Despite the coldest temperatures on the planet, down to  $-90^{\circ}\text{C}$ , Volvo Penta engines are proving their reliability by helping to keep an Antarctic research facility powered up — and warm — around the clock.

At the Rothera station on Adelaide Island, 1,860 km south of the Falkland Islands, more than 100 scientists and support staff live and work in the summer months, with a skeleton crew of around 22 staying on through the winter.

Three Volvo Penta gensets are used as primary power sources, for everyday activities, while one is used as an emergency standby.



### FIND YOUR DEALER

You will find your nearest Volvo Penta dealer on [volvopenta.com](http://volvopenta.com) or download our dealer locator app.



## GLOBAL SERVICE AND SUPPORT

The network of qualified and skilled Volvo Penta service dealers covers around 130 countries and is constantly growing. As an operator or OEM, you are offered tailor-made service and support offerings comprising everything needed to secure optimal uptime and superior cost of ownership over the life cycle.

**EFFICIENT LOGISTICS AND PARTS SUPPLY** Volvo Penta dealers stock the parts appropriate to their local market. If a part is not held in stock by your dealer, the Volvo Group – with its world-class global parts distribution network – will provide fast and safe delivery, with special routines for breakdowns, wherever you operate.

**VOLVO ACTION SERVICE 24/7** Volvo Action Service provides you with breakdown and online technical support in Europe, North America and in big parts of Africa, Middle East, Asia Pacific (India, China, South East Asia, Korea, Japan) Russia and Turkey.

**ONLINE SERVICES FOR PARTNERS** As an OEM, you are welcome to access the Volvo Penta Partner Network, the online service that provides access to technical and warranty information as well as parts ordering.

These are examples from the wide service and support range offered by Volvo Penta and our dealers. Please note that it can vary between markets.

### A SELECTION OF TAILOR-MADE OFFERINGS

- Extended coverage (IXC)
- Preventive maintenance
- Service agreement
- Special parts supply and stocking
- Technical training
- Optimised service schedules
- Oil analysis
- Exchange system and overhaul kits

# IT'S IN THE **DETAILS**

Although engines for electrical power generation are intended for a specific purpose, the Volvo Penta engines are designed to meet a range of needs – from the equipment manufacturers as well as the operators.

**EASY INSTALLATION** The Volvo Penta engines are designed for easy installation – a quality you will benefit from whether you are an equipment manufacturer or an operator; the simpler the fitting, the less risk of installation mistakes, and future malfunction.

**EASY TO SERVICE AND SUPPORT** Maximal engine uptime is first priority for you as operator. All stops – scheduled and unexpected – must be reduced to an absolute minimum, both in numbers and time. One example of how we can facilitate the engine service, especially in tight compartments, is the designed service corners – where all the engine's service points are positioned for easy access.

**COMMON PLATFORM** The platform commonality between Volvo Penta engines – with e.g. shared service and accessory parts – simplifies parts availability and results in shorter lead times. Thanks to the service knowledge of the Volvo Penta dealer network, your Volvo Penta engines' serviceability is further enhanced.



## COMPACT, SPACE-SAVING DESIGN

- High air-filter position facilitates generator mounting
- Engine-mounted cooling packages do not require aligning
- Easy accessible service points



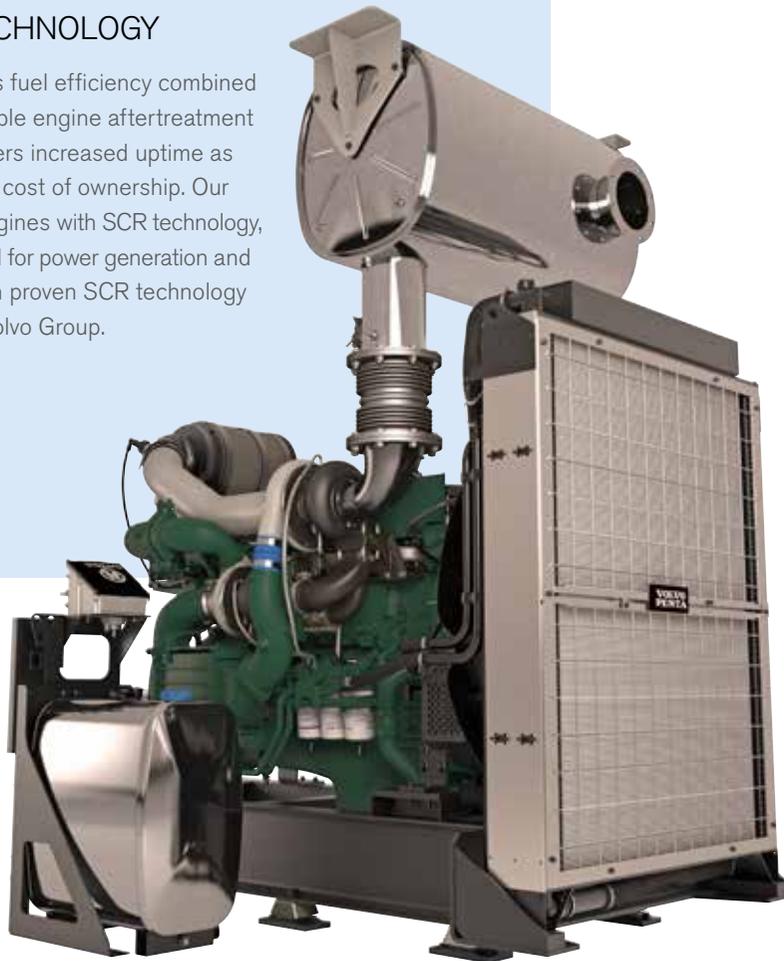
**POWERING UP — AND CUTTING DOWN ON FUEL COST.** In Lebanon, homes and businesses suffer from electricity cuts of 3 to 12 hours each day. To survive, most businesses rely on electricity from their own generators. **Modern Industrial Products (MIP)**, with around-the-clock manufacturing, is one of them.

Although satisfied with the performance of their five Volvo Penta D12 engine-powered gensets, in 2013, MIP decided to swap for D13s after seeing their fuel bill take a nosedive. They soon found that with the D13 engines, fuel consumption went down by 6%, using the same amount of energy.

# THE VOLVO PENTA ENGINE **RANGE** 5–16 litres, prime and standby power.

## SCR TECHNOLOGY

World class fuel efficiency combined with a reliable engine aftertreatment system offers increased uptime as well as low cost of ownership. Our 16-litre engines with SCR technology, is optimised for power generation and is based on proven SCR technology from the Volvo Group.



5-LITRE SERIES



7-LITRE SERIES



13-LITRE SERIES



16-LITRE SERIES

## ENGINE INFO

Use the QR code for more engine information. Or go to [www.volvopenta.com](http://www.volvopenta.com)





# ENVIRONMENTAL **LEADERSHIP**

High engine performance and reduced environmental impact must go hand in hand. Every new Volvo Penta engine is competitive in both aspects. Our engineering experts continuously strive to optimise fuel economy and, at the same time, reduce the environmental impact to a minimum. This way we have made fuel efficiency our hallmark.

Reducing engine emissions is a long-standing ambition at Volvo Penta, not only due to legislation, but because environmental care is one of our core values and vital both to our customers and us.

Through the years, we have set an example with a number of products and solutions with an explicit environmental focus and we are continuously looking into future products and solutions.

By working in close cooperation with our partners and customers, we will remain in the forefront of technological and environmental development today, tomorrow and in the future.

This document is not contractual. In a constant effort to improve the quality of its products, Volvo Penta reserves the right to modify any of the characteristics stated in this brochure without notice. For specific information on a certain engine model, please ask your dealer or visit our website. All models are not available on all markets. The engines in the pictures may be fitted with extra optional equipment.

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[www.volvopenta.com](http://www.volvopenta.com)