



Energy on a new level.

Efficient, eco-friendly solutions for decentralized energy generation.

Future through tradition.

MWM stands for 150 years of experience in gas engine technology and energy production. Since we joined the Caterpillar portfolio back in 2011, we have access to products and resources that enable us to develop custom-tailored, complete solutions for you. Together with the Kiel and Rostock sites, we now deliver an expanded portfolio ranging from 400 to 10,300 kW_{el}.

Benefit from the security and experience of MWM specialists who have installed thousands of plants worldwide — plants that set efficiency and reliability standards.

150 years

Caterpillar

Reliability

Efficiency

On the way into the digital age.

With MWM Digital Power, the energy market enters a new age. Thanks to state-of-the-art components combined with smart and secure data analysis, our products and services are always improving, allowing you to optimize the capacity utilization and maintenance of your plants.

Experience the future – with MWM Digital Power.

MWM DIGITALPOWER

Hyperintelligence

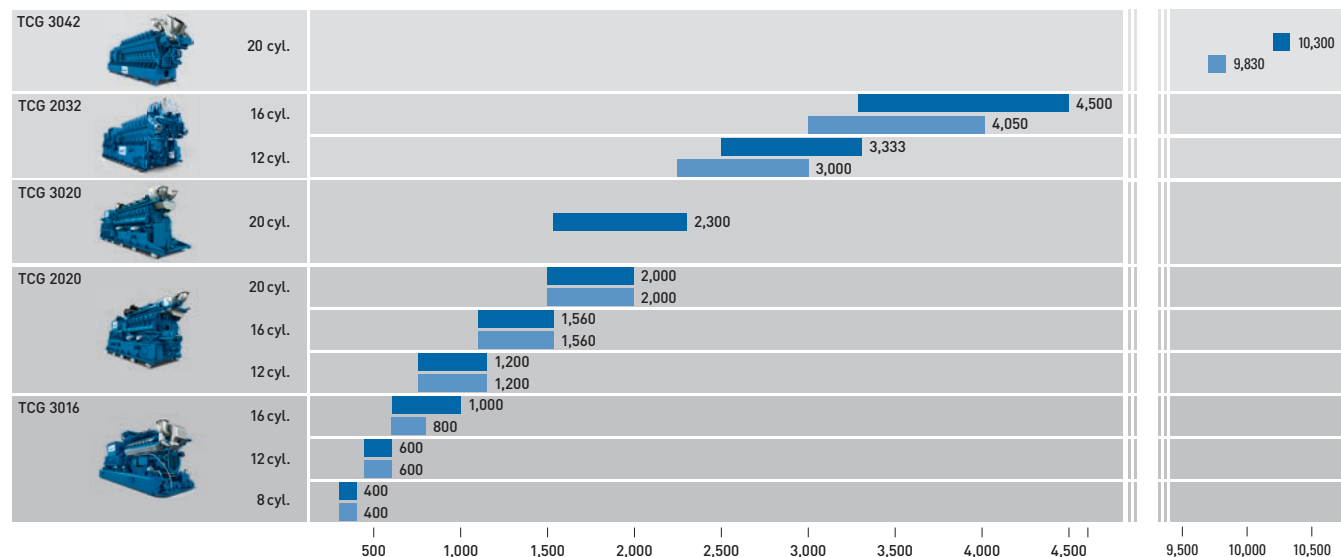
MWM gensets.

Efficiency, low maintenance, high availability.

MWM's product portfolio is comprised of gas engines and gensets in the output range from 400 to 10,300 kW_{el}. We are thus able to set up power plants with an output of 100,000 kW_{el} and more.

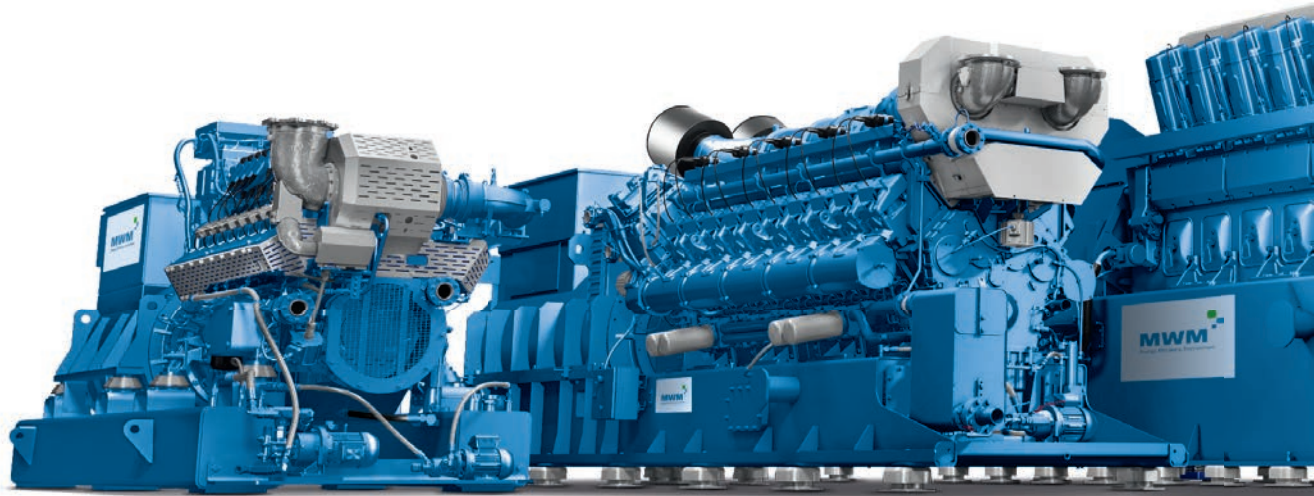
The gas engines can be operated with various types of gas, such as natural gas, shale gas, mine gas, biogas, landfill gas, sewage gas, and gases containing hydrogen. The units are designed for maximum electrical and thermal efficiency, low operating and service costs, and high reliability and availability. Thus, they reach efficiency levels of more than 90 percent.

Product Range



With our gensets we can cover a power range from 400 kW_{el} to 10,300 kW_{el} for decentralized power production.

Electrical output per genset in kW_{el} 50 Hz 60 Hz



TCG 3016

Robust. Efficient. Digital

Developed from scratch, this series features greatly reduced operating and installation costs and a fully digitized power plant control.

TCG 3020

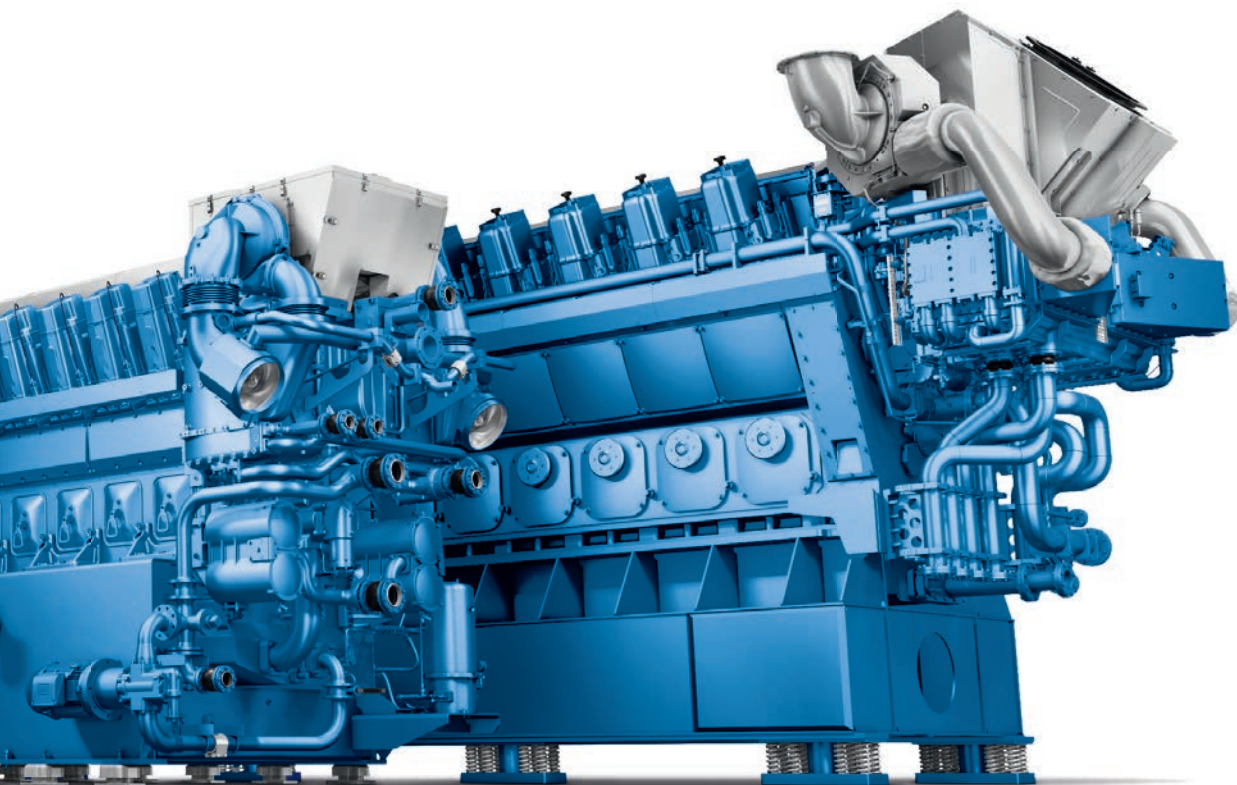
The all-round talent

Smart, secure plant control. Higher output and profitability despite compact design.

TCG 2032

Available, reliable, uncomplicated

Along with low installation costs. All gas types: natural gas, landfill gas, sewage gas, mine gas, coking gas, biogas. Especially for large IPP projects with up to 100 MW_{el}.



TCG 3042

High profitability on small space

This model boasts the highest output in the MWM lineup with unbeatable electrical efficiency values.

Optimum space utilization:

A reduced number of components through modular design and integral structure ensures fast setup and moderate space requirements.

TPEM*. The door to the digital age.

- ✓ Reliable system monitoring and (remote) control
- ✓ Suitable for all series, numbers of cylinders, and variants with versatile, flexible functions (e.g. with or without heat utilization)
- ✓ High level of efficiency through expanded product scope, standardized hardware (low maintenance), and fast, guided go-live
- ✓ Ready for future applications (generic interfaces, quick and easy updates)

*A special control that has been optimized for the operation of the large series is available for the TCG 3042 series.

Maximum efficiency: everything from a single source.

MWM container solutions provide everything under one roof, custom-tailored to your needs. We assist you in the planning, configuration, and installation of comprehensive plant concepts. To optimize your profit, the concepts can be customized with the help of digital means such as a highly developed, secure data analysis.



The cooling module* for the TCG 3016, TCG 3020 and TCG 2032 series and all applications features numerous benefits. With very little planning and installation overhead, it can be used in container and building installations. Equipped with state-of-the-art technology, it is custom-tailored to your project.

*A separate combi module that comprises the cooling module and the lubricant system is available for the TCG 3042 series. Our sales department determines the most suitable variant.

MWM service.

Partnership: the next step.

The MWM brand looks back on decades of experience in the field of distributed energy supply. All along, one principle has never changed: availability is a decisive success factor for efficiency.

Therefore, MWM quality is not only limited to reliable gas engines and power gensets, but also comprises progressive service concepts.



Regional service



Maintenance and repair



Long-term service agreements



Digital solutions



X-Change / exchange units



Plant check



Training



Financing

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