



Industrie Service

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## Combustion Engines for Generator Systems – Energy- and Cost-Efficient

A Product Information Sheet by the Energy and Technology Business Area

The installation and operation of continuous or backup power systems is governed by a host of regulations, depending among other things on the type of fuel (diesel, natural gas, biogas) used by the combustion engines.

Reduce energy costs and downtime systematically – our experts have long-standing experience in this field. As your expert and impartial partner, we develop plans and successful solutions tailored to your needs that deliver sustainable improvement in cost and energy efficiency as well as availability, taking into account current regulations and the economic situation. Take a look at our wide range of services.

### Our services

- Assistance in obtaining official approvals
- Assessment of compliance with relevant regulations (Machinery Directive 2006/42/EC, risk assessment, accident prevention, performance criteria, fire safety, noise protection, exhaust-gas regulations, water protection, electrical equipment)
- Optimisation of cost and energy efficiency
- Quality testing and assurance during manufacturing

- Final approval testing at the manufacturer
- Monitoring of installation and assembly
- Support during placing into service
- Consulting services for maintenance and modification
- Vibration and performance measurement
- Selection of monitoring systems for early failure detection/machine diagnosis
- Third-party damage inspection
- Strength and structural analyses, e.g. for earthquake resistance

### Your benefits

- ▶ Manufacturer-independent consultancy
- ▶ Selection of the most suitable components
- ▶ Ensuring the required manufacturing quality and functioning
- ▶ Improved operational safety, availability and efficiency
- ▶ Identification of potential for savings
- ▶ Reduced life-cycle costs
- ▶ Short approval times

Choose a partner offering impartiality and technical expertise from a single source: TÜV SÜD. We will be happy to advise you in more detail. Call us!

**TÜV SÜD. Choose certainty. Add value.**

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