



**ROLF JANSSEN GMBH
ELEKTROTECHNISCHE WERKE**

ELECTRICITY GENERATION

BLACK START SYSTEMS EMERGENCY GENERATORS

Individual custom-made products and fully-developed container solutions for safe emergency power supply on water and on land

**Energy Technology
Automation Technology
Process Control Technology**



(Emergency) Power Supply

Emergency power systems, common auxiliaries, emergency harbour units for safety on land and sea.

Play it safe. Choose reliable emergency power supply plants, including for extreme conditions such as the Antarctic and deserts, as an independent container solution or incorporated into your existing plant. With more than 60 years of experience from projects all over the world we will find the right solution for you.



Safe Electricity on Land

- Emergency power supply for large power plants, waste incineration plants, industrial plants and public facilities
- Container power plants or indoor plants with total outputs of up to several MVA (megavolt-amperes)
- Total solutions with engine, generator, tank system, exhaust system, supply and exhaust air plants and controls
- Plants for isolated operation and parallel mains operation with the electrical network of the customer or the power supplier

Always Supplied on the Open Seas

- Common auxiliaries, emergency generators and emergency harbour units for applications on ships and platforms
- Planning and production of the systems according to the conditions of the respective classification society
- Control systems from our own production with long-time replacement parts service
- Additional components such as exhaust silencers, starting systems (pneumatic, hydraulic) can be supplied as options

Reliable emergency power supply, available as a container solution or installed in the building



Black Start Systems

**Make yourself independent of the public electricity network.
Protect yourself against serious consequential losses.**

Rolf Janssen black start systems are available to you as a mobile, low-price container solution or as an individual custom solution which is incorporated into the existing building environment. In both cases, the precise system integration guarantees perfect interaction of all components.

If the cause of a complete blackout is rectified, power generation should be quickly resumed. With plants such as thermal power stations, one is dependent upon the public electrical network for this.

If non-black-start-capable power stations are affected by the blackout, this can substantially prolong the outage. Safety problems, compensation claims and losses of income can be the result. Rolf Janssen

black start systems supply the generating units with the necessary power, until independent electricity generation is once again ensured. The load fluctuations that occur are flexibly absorbed.

Range of Products and Services:

- Planning, production, technical approval, delivery, installation and commissioning
- Global service provided by our expert personnel
- Single or group generators (e.g. for black start systems)
- Components from renowned manufacturers (MTU, MAN, Perkins, Cummins, Volvo, Marelli, Leroy Somer, A.v.K.)



Standards:

- Harmonised, international standards ISO 8528 (International Organization for Standardization), EC Machinery Directive
- Adaptation to respective national requirements
- Technical approval in the factory according to customer's specifications or e.g. TÜV (Technical Control Board), GL (Germanischer Lloyd), DNV (Det Norske Veritas), ABS (American Bureau of Shipping), LR (Lloyd's Register)

Our Factory:

- Certified to DIN ISO 9001 (German Institute for Standardization)
- Other certification: KTA, OHSAS
- Test stand in factory for individual and group approvals with load resistors separately shiftable up to 100% generator load
- Qualified personnel for planning, production, installation and commissioning of sophisticated solutions

The Correct Choice for your Emergency Power Supply:

- More than 60 years of experience from projects all over the world
- Indoor generators and container solutions up to 2,500 kW/3,000 KVA
- Applications for power stations, shipbuilding, industry and public facilities
- Simple controls and complex solutions from in-house planning and production
- Free choice of component manufacturers
- Complete range of services up to handing over ready for use
- Own test stand for technical approval in accordance with customer's specifications



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