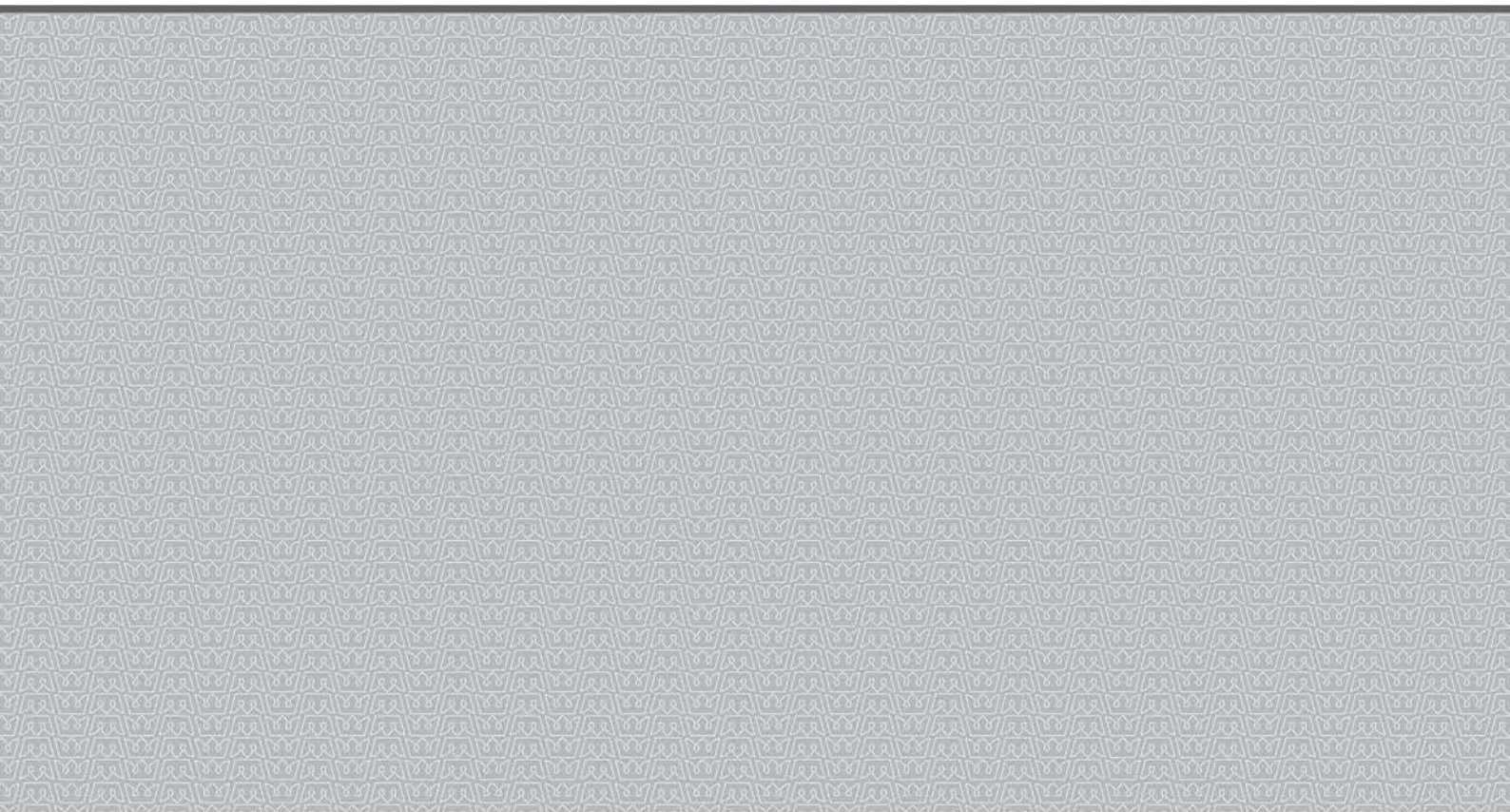




EXHAUST SOLUTIONS

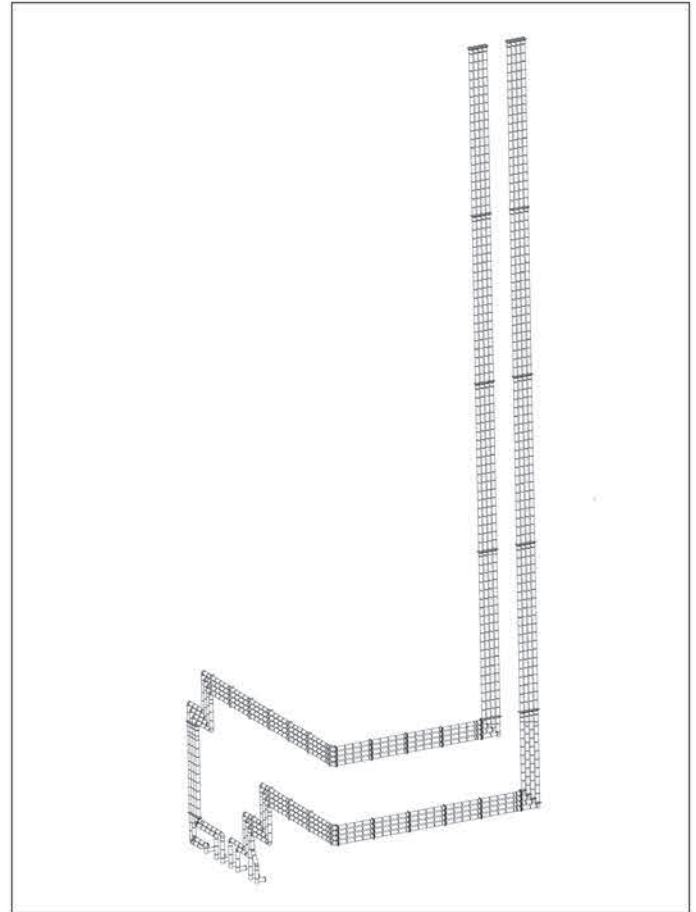
Jeremias Exhaust systems for electric power generation

www.Jeremias.de/int



ELECTRIC power GENERATION

Electricity generators are often powered by reciprocating engines burning diesel, biogas or natural gas. Diesel engines are often used for back up generation, usually at low voltages. However most large power grids also use diesel generators, originally provided as emergency back up for a specific facility such as a hospital, to feed power into the grid during certain circumstances. Biogas is often combusted where it is produced, such as a landfill or wastewater treatment plant, with a reciprocating engine or a microturbine, which is a small gas turbine.



Hospitals
 Data Centers
 Music & Sport events
 Telephone systems
 Oil rigs and sea water platforms
 Boats, yachts and Ferries
 Military installations
 Industrial facilities
 Mines
 Landfills
 Waste water treatment plants
 Hotels & Resorts

Hospitals, airports, hotels, concert events and other operations depend on secured and continuous power supply. That is why Jeremias exhaust system are required to safely and perfectly exhaust the products of combustion, reducing the pollution at ground level. Whatever your specific application may be. Jeremias exhaust systems give you the right solution to meet environmental legislation. .

FACTORY MADE metal EXHAUST systems



Jeremias provides the expertise for the exhaust of the products of combustion from power generators, (primary and standby) leading exhaust gases to the exterior of the buildings in a fast, safe and silent way.

Main Benefits

- Light weight modular system
- Easy to install by local semi skilled labor
- No heavy lifting tackle required.
- No on site welding
- Only standard tooling required
- Easy to handle
- Modular construction
- Push fit + locking band
- Stainless steel inner liner
- Pre insulated (25mm, 50mm, 100mm)
- Stainless steel outer liner
- Reduced clearance from combustibles
- Speed of resistant installation
- Corrosion
- Moisture tight withstands rapid heating and cooling
- All components necessary to complete installation
- Specials made to order
- Hygienic and smooth material
- Low maintenance due to superior material,
- Long life
- Guaranteed system
- CE Certified
- Fire rated to 4 hours.
- Available in different diameters 80 - 1000mm
- Technical advice and expertise available.



FACTORY MADE metal EXHAUST systems

CPD TELEFÓNICA Alcalá de Henares (Spain)

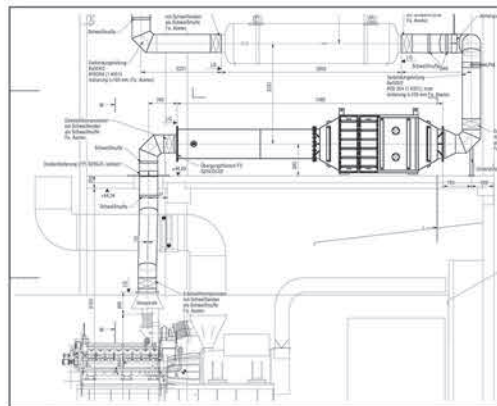
- > 24 power generators.
- > DW-KL 304 - 12xØ550/650mm; 12xØ650/750mm.
- > Aprox. 480m of twin wall flues.
- > Installation of rigid connections, silencers and modular flues.
- > Lagging of rigid connections and silencers.



Besides the factory made metal exhaust systems the jeremias group produces frestanding and windshields chimneys for big electric power generators.

NEW UNIVERSITY HOSPITAL Stockholm

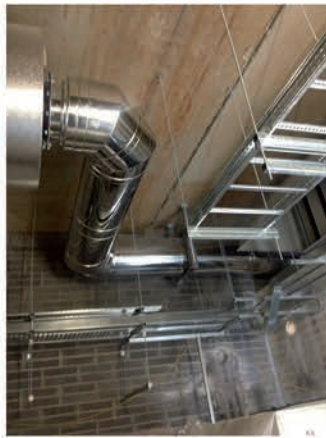
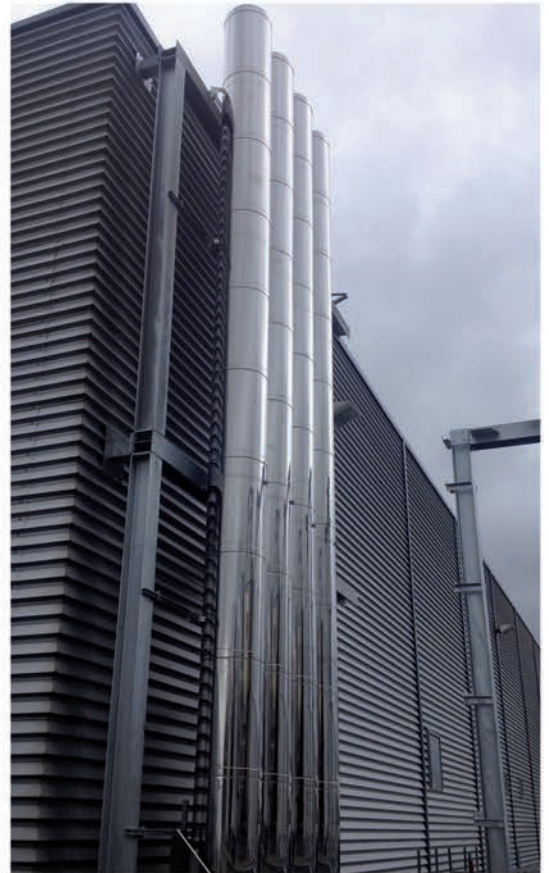
- > Free standing chimneys of 900mm inner diameter and 1.220mm outer windshield.
- > Two groups of 5 chimneys, each one 20 meters high.
- > In the chimney Integrated 9 meter long vertical secondary sound absorbers.
- > Complete service including transport and erection.



FACTORY MADE metal EXHAUST systems

TELECITY DATA CENTRE Dublin (Ireland)

- > 8 power generators 2000 KVAs.
- > DW KL 304 - Ø500/565 mm.
- > Aprox. 240 m of twin wall flue.
- > Supply of flues with connections, fixings elements, expansion bellows...
- > Sizing and design of the whole installation.



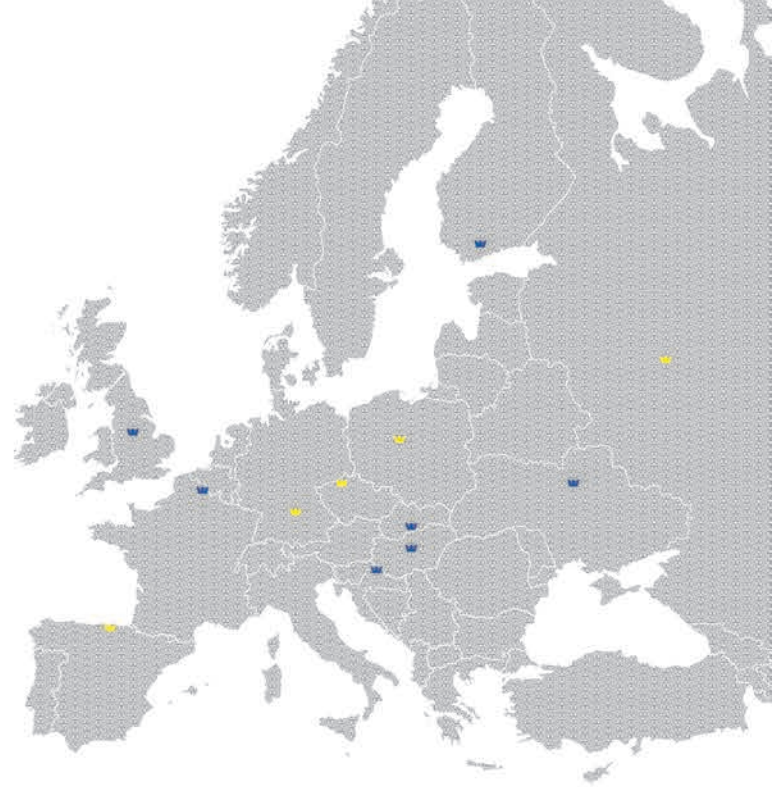
DATA CENTER Singapore

- > 36 Standby Generators.
- > DW KL 2.0.
- > Ø450mm inner / Ø550mm outer (50mm insulation).
- > Total of 1.800m / 2.500 elements.
- > Installation coordinated on site by own Jeremias installer.



JEREMIAS GROUP

TOTAL QUALITY COMMITMENT




Jeremias is one of the world's leading manufacturers of flue and chimney systems for the exhaust of gases and ventilation, covering all kind of **domestic, commercial and industrial applications**.

Jeremias product range includes **60 different CE certified systems** covering commercial and domestic applications complemented by freestanding Industrial steel chimneys **up to 3 meter diameter**.

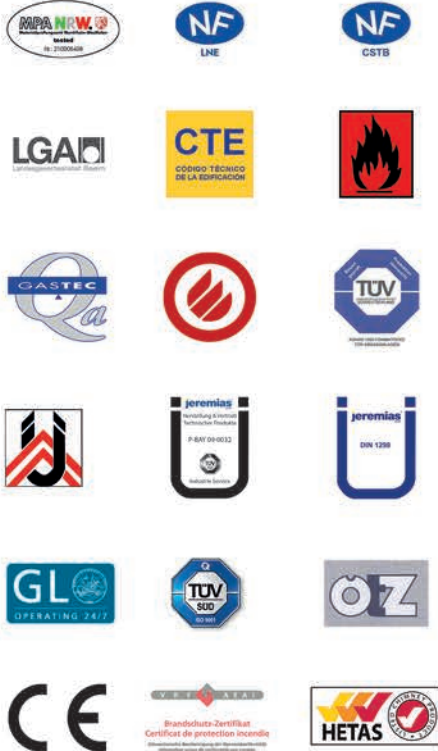
Besides this compulsory CE Certification, Jeremias has also **special certifications** and listings needed in **specific countries** under i.e.; BS, HETAS, Swiss, Russian or US standards.

For further information, Jeremias can **supply technical guidance** on various standards including the latest version of the European Standard 1856-1/2:2010. Please contact our certification department.

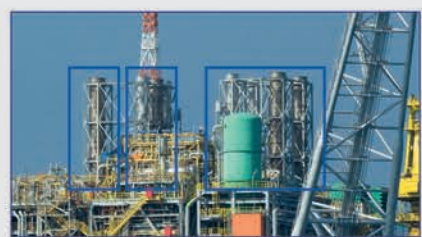
 Production sites

 Sales offices

APPROVALS & CERTIFICATIONS



Jeremias exhaust systems for maritime applications



The Jeremias exhaust systems have been **specially designed** for the generator exhaust and very specific **industrial applications in high pressure mode** and are listed under the "Germanischer Lloyd approval" that regulates the use of for **marine applications**

The **German Lloyd** is the most famous and restricted standard for the ship industry under the strict control of **Bureau Veritas**.

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