

**DRIVE GREEN  
SHIPPING FORWARD**

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**SAACKE**

*Better Life Energy*



# THANKS TO THE SAACKE WASTE HEAT RECOVERY UNIT (WHRU).

Why let energy go to waste – with the help of waste heat recovery, you save fuel, reduce CO<sub>2</sub> emissions and are more energy-efficient on the road. **Available for retrofits and new builds.**

The SAACKE waste heat recovery system uses the heat from the exhaust gas to generate energy for other needs on the ship. It is a fully integrated system for the existing feed water and steam system that can be easily and quickly integrated into the boiler system and retrofitted – regardless of the manufacturer. Increased energy efficiency and emission reduction are playing an increasingly important role, especially in view of the existing and, in the near future, even stricter Emission Control Area (ECA) regulations at sea.

## ALL-IN PACKAGE

# MINIMUM EFFORT – MAXIMUM POTENTIAL!

The **robust and space-saving design** of the SAACKE waste heat recovery system allows more freedom for installation in the chimney systems. Little or no intervention in the existing engine room compartments is necessary. The two-in-one solution offers far **greater flexibility in operating the auxiliary motors** than other manufacturers.

Maintenance is also significantly lower. The added value is enormous: the profitable use of waste heat saves fuel and energy. This results in a significant improvement in the ecological balance. Investing in a **WHRU is definitely worthwhile!**



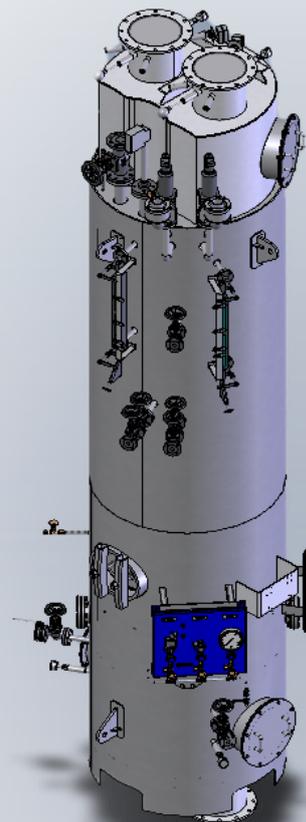
### Maersk and SAACKE drive green shipping forward

All the way to Zero is the goal of the shipping company. Our partner Maersk is investing in heat recovery and climate-friendly drive systems. Studies show that retrofitting container ships offers enormous savings potential.

**Install and save fuel, costs  
and CO<sub>2</sub> immediately!**

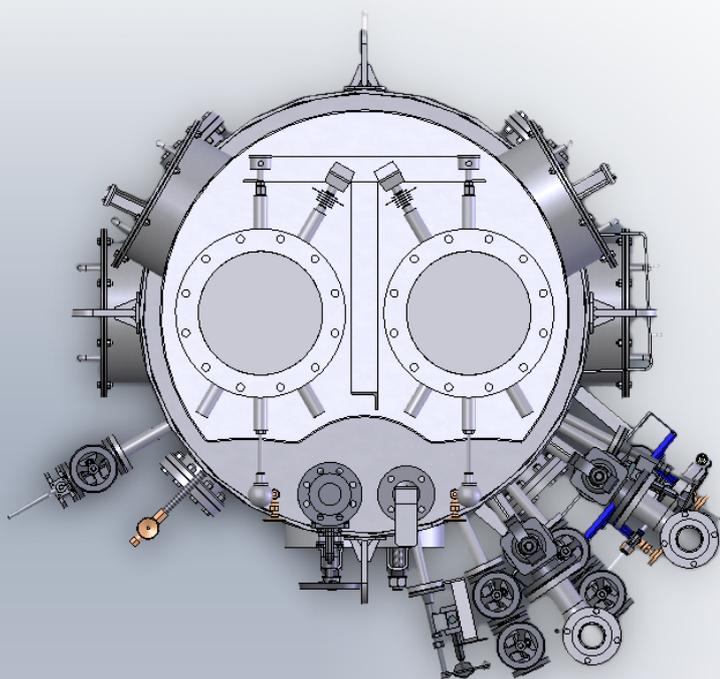
Your all-in package:

- ✓ **WHRU**
- ✓ **Installation material**
- ✓ **Monitoring**
- ✓ **Commissioning**



# WASTE HEAT RECOVERY WITH ADDED VALUE.

- ✓ Proven **reduction** in burner operation (**up to 85 %**)
- ✓ Required **power consumption** is limited to small monitoring devices and is **up to 6 times lower** than that of other manufacturers
- ✓ **No risks** due to slowdown or shutdown during operation
- ✓ **Connection** to the existing feedwater system
- ✓ Extremely **slim** and **space-saving design**
- ✓ **Minimal monitoring/control effort** (water level, flue gas temperature on/off, pressure)
- ✓ Very low OPEX and maintenance costs due to the **robust design**
- ✓ **Noise reduction** (WHRU also acts as a silencer)
- ✓ **OPEX reduction** for main boiler and burner
- ✓ Dry running **without additional effort**
- ✓ **Double AE** straight-through solution possible
- ✓ **Commissioning within one working day**
- ✓ Optional with **EGCS cleaning systems** and **by-pass solutions**



## OUR SERVICE COMPASS

# YOUR WORLDWIDE BACKUP.

We are your first point of contact with 24-hour service. SAACKE provides support for all types of burner and automation challenges, upgrades or retrofit projects from **strategically located service centers around the world.**



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### OUR 24/7 SUPPORT

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