



## Gas Combustion Unit for safe LH2 transport

*SAACKE's hydrogen GCU solution is  
the first of its kind worldwide*

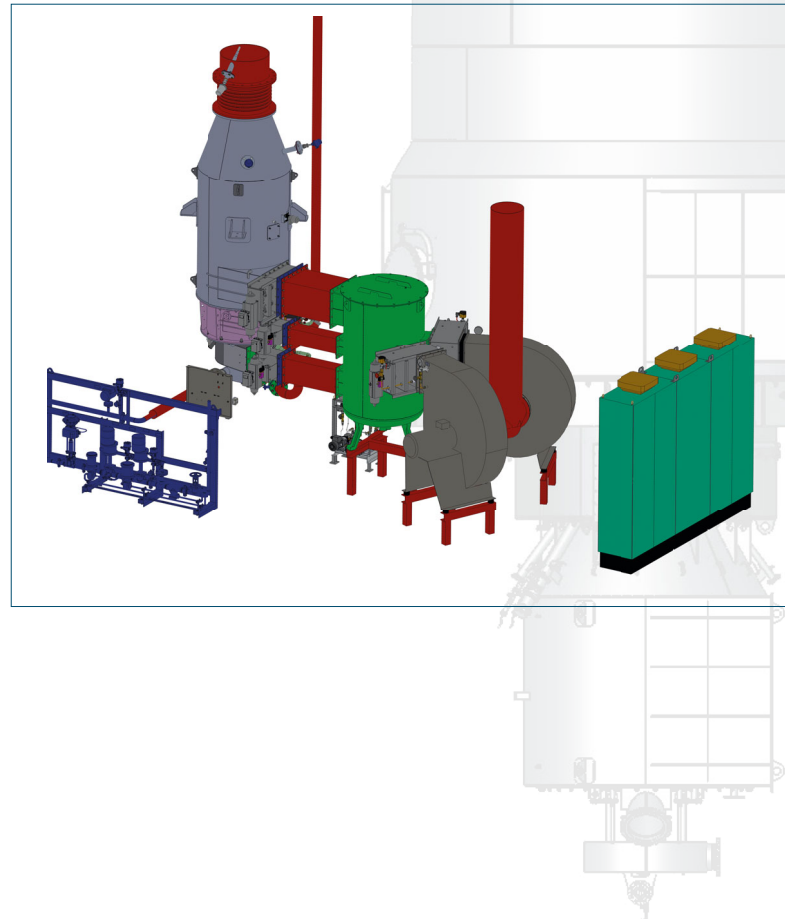
In Japan, construction of the world's first liquefied hydrogen carrier (LH2) has begun.

The vessel will be used to transport liquefied hydrogen between Australia and Japan. There, the hydrogen is to be used for the fuel cells of electric cars.

The vessel's tanks contain liquefied hydrogen at -253 degree C temperature. This groundbreaking pilot project includes the requirement of a hydrogen GCU that is able to burn the boil-off gas safely. The rigorous testing of our proven SSBG burner shows outstanding performance.

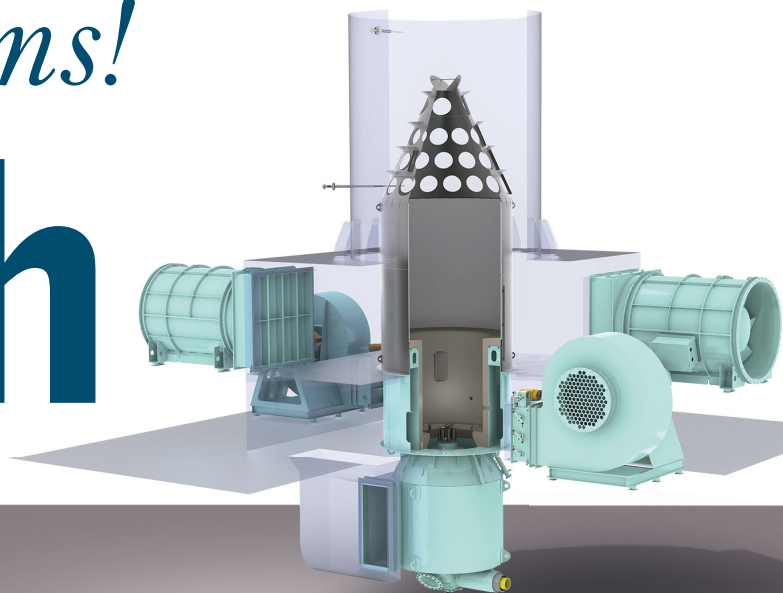
**The hydrogen GCU (Gas Combustion Unit) developed by SAACKE makes it possible to transport liquefied hydrogen (LH2) safely and reliably at sea**

SAACKE sets a new standard here. This type of ship did not yet exist and neither did this type of gas combustion. The LH2 carrier project represents an important milestone towards the introduction of liquefied hydrogen carriers and the validation of the concept of hydrogen exports in the seaborne market. We are proud to contribute to this development.



# Congratulations!

# 100th



## SAACKE proudly announces: Sale of the 100th Gas Combustion Unit (GCU)

If boil-off gas needs to be combusted reliably on LNG tankers, there is practically no alternative to GCU solutions from SAACKE. They offer outstanding performance in confined spaces with high availability and can be adapted to almost any requirement.

### SAACKE GCU expertise since 2002

One thing is clear: LNG transport makes it indispensable to ensure that boil-off gases are burnt off in a safe and environmentally friendly manner. SAACKE introduced the Gas Combustion Unit to the market as a completely new development as early as 2002 and is thus the technology leader. Since then, this core competence has constantly been expanded – most recent examples: the 100% free flow solution for Hudong Zhonghua shipbuilding in China and our latest development, that came precisely to the MARINTEC. The world's first horizontal GCU will be installed on a bunker vessel to supply LNG to cruise ships. In this way we are helping to switch to LNG – away from heavy oil.

This success shows that the company is on the right track: to date 100 SAACKE GCUs have been sold worldwide – many of them technical premiers.

