FLNG Boiler

Greatly reduces manufacturing energy with world’s largest off-shore boiler

With reduced number of boilers installed through increased size, this product reduces CO₂ emissions during manufacturing by more than 40% compared to our previous method of installing multiple conventional boilers. Decreases manufacturing time and reduces energy costs by sequential manufacture and shipment of boilers.

Multiple conventional boilers  FLNG Boiler

Comparison of CO₂ emissions during manufacturing

Sequential manufacture and shipment of boilers

Steam production capability with “High-temperature, High-pressure and Large-capacity”

Reduced weight through modification of structure around windbox and drum

Ensures strength against hull motion, including the impact of large-scale typhoons

The boiler can act as a blast-resistant shield to protect the cabin during emergencies

Product Description

The world’s first large-scale boiler for an FLNG facility (floating production, storage and offloading of LNG) with a robust structure and a combustion chamber optimized to meet special, high-level specifications required for off-shore applications. Seven boilers are in operation on our first installation, onboard an FLNG facility at the Australian offshore site.

Features

- Steam production capability with “High-temperature, High-pressure and Large-capacity”
- Reduced weight through modification of structure around windbox and drum
- Ensures strength against hull motion, including the impact of large-scale typhoons
- The boiler can act as a blast-resistant shield to protect the cabin during emergencies