



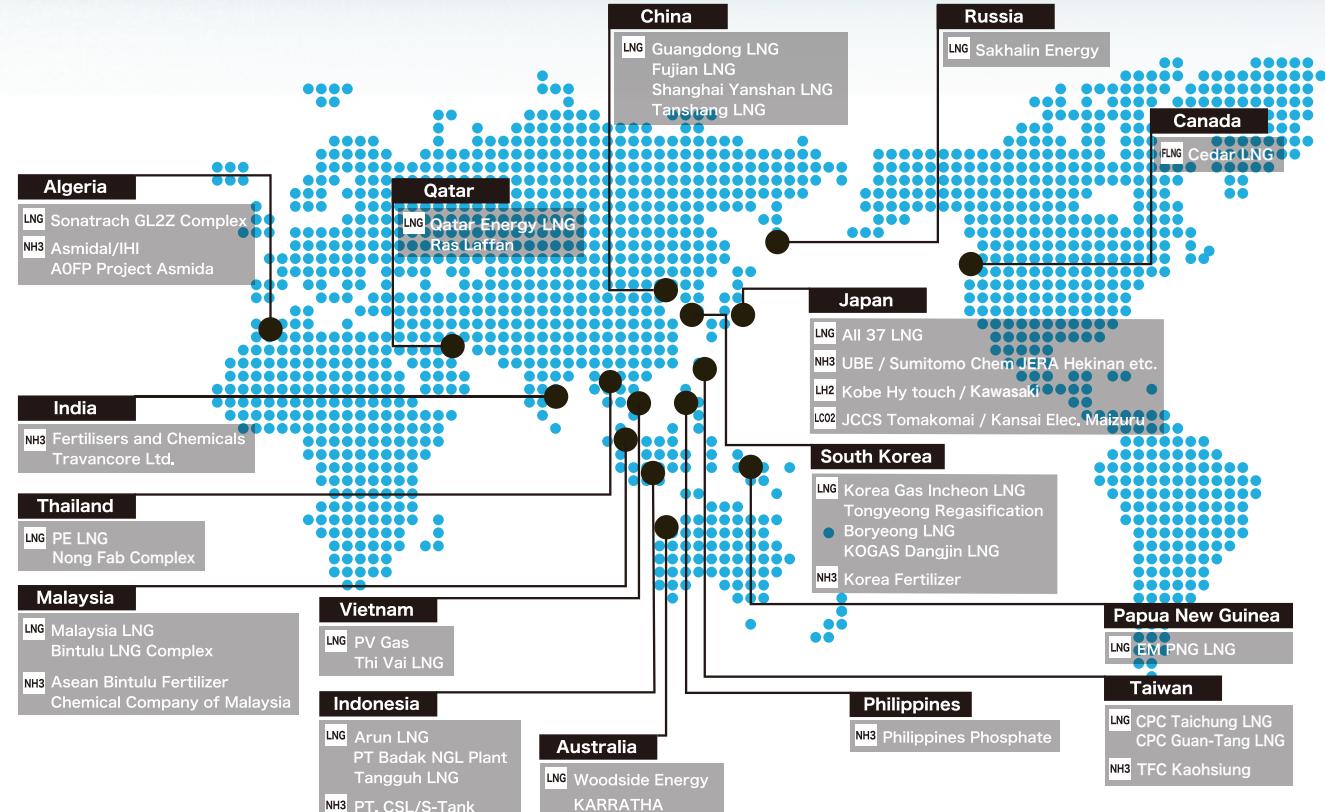
**6000+ Loading arms**

**380+ LNG units**

**180+ Ammonia units**

**6 Liquefied hydrogen units (3 under manufacturing)**

**8 LCO<sub>2</sub> units**



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**TB-NIIGATA**

**70 YEARS OF EXCELLENCE IN ENERGY TRANSFER**



 **TB Global Technologies Ltd.**

# CHOKUSEN

## Automatic Connection System

CHOKUSEN is a distinctive and enhanced feature that allows the loading arm to move straight to the ship manifold mating flange and can ensure automatic connection for both onshore and offshore applications.



CHOKUSEN test facility at Nagaoka Factory



CHOKUSEN  
Movement

## AMMONIA LOADING ARM

Emergency Release System Allowing for negligible ammonia concentration level by reducing residual ammonia even in case of emergency disconnection.



Emergency Release  
System Demonstration

# TB-NIIGATA LNG MARINE LOADING ARM

70 Years of Excellence  
in Energy Transfer



For More Information

For your easy  
and reliable  
operations



Full Stainless  
Steel Hydraulic  
QCDC



Light Weight  
ERS



## BUNKERING BOOM FOR LNG AND AMMONIA



The world's first AiP granted  
by ClassNK for Ammonia  
Bunkering



Ammonia Bunkering  
Boom Operation