

# Gas Flowmeter Verification

Safe and efficient in-situ verification  
– anywhere in the world



**SVANEHØJ**  
An ITT Company

# Comprehensive Gas Flowmeter Verification

Accurate testing and verification of gas flowmeters is critical to LNG operations. It ensures correct custody transfer of high-value cargo, protects revenues, and reduces commercial disputes.

Verification also supports compliance with environmental and regulatory requirements, including Boil-Off Gas (BOG) usage, and ensures safe, efficient gas handling for optimal vessel performance.

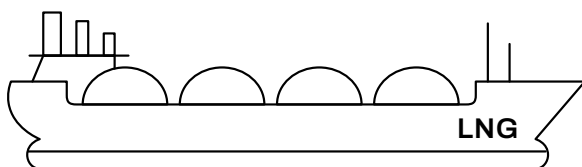
In Svanehoj, you have a trusted global service partner, delivering expertise and support for a wide range of marine and industrial gas applications.

#### Including:

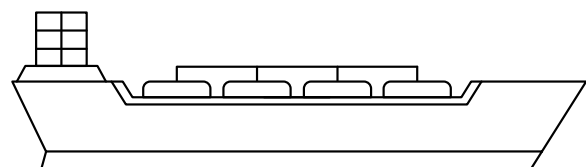
- BOG (Boil-Off Gas) systems
- Dual fuel engine systems
- Vapour Return lines
- Other gas handling systems

These services help you maintain accuracy, compliance, and safety.

## Where do we perform Gas Flowmeter Verification:

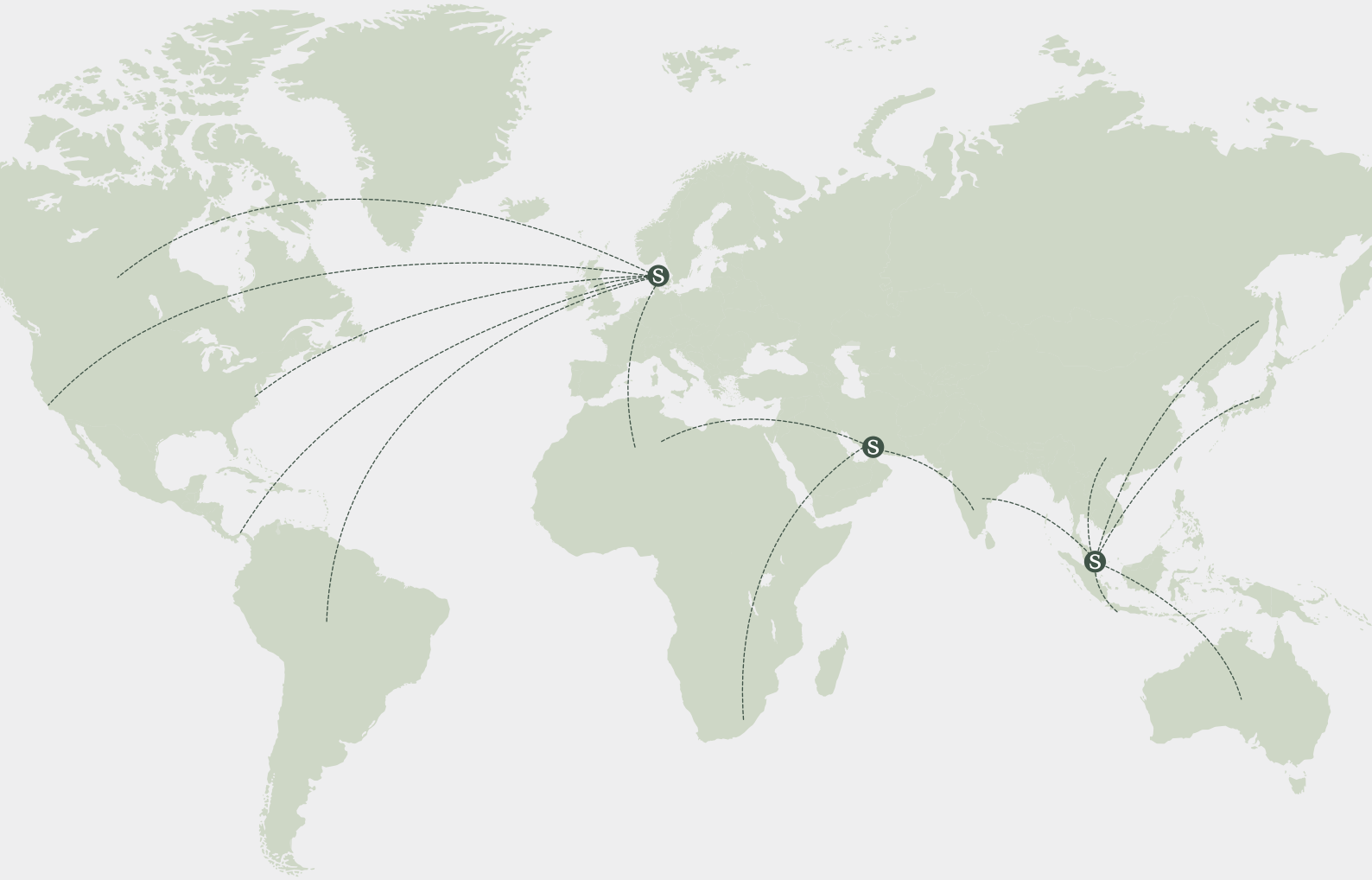


LNG Carriers and FSRU's



LNG and future fuel capable vessels





# Global Service. Local Efficiency.

At Svanehoj, we offer worldwide testing and verification performed through our network of local branches in Europe, Dubai and Asia.

**This includes:**

- Reduced travel time
- Lower total service costs
- Faster response and planning



# Planning of verification

Svanehoj provides verification for all types of electronic gas flowmeters allowing us to support different vessel designs, gas handling setups, and operational requirements, ensuring accurate measurement across a wide range of applications.

Verification starts with providing Svanehoj's technical department initial configuration data for the gas flowmeters along with the latest issued certificates. On the back of this, we tailor the verification plan.

Without interrupting ongoing operations, verification can be carried out:

- In dry dock
- During voyage
- During loading or discharging

For LNG carriers – especially those operating with Custody Transfer Measurement Systems (CTMS) and BOG monitoring – flowmeter verification is typically required annually or according to charterer/management recommendations as specified in contractual agreements.

## Supported flowmeter types

We perform verification on all types of electronic flowmeters, including:

- Orifice meters
- Coriolis meters
- Venturi meters
- Vortex meters
- And more

## ATEX-certified intrinsically safe test equipment

Our test equipment is:

- ATEX-certified and intrinsically safe
- Fully compliant with international Intrinsic Safety regulations
- Approved for operation in hazardous areas without the need for shutdowns or hot work permits

This allows testing to be performed without interrupting ongoing operations.

## Verification in accordance with ISO standards

All tests are carried out in compliance with applicable ISO standards and include:

- ZERO calibration
- Flow testing
- Accumulation testing

# Why choose Svanehoj?

Svanehoj delivers complete, reliable gas flowmeter verification, combining technical expertise, certified equipment, and global service. We simplify the process, ensure compliance, and support all major flowmeter types across vessel designs and gas systems.



Svanehoj can independently carry out both testing and verification, eliminating the need for multiple vendors.



All testing can be performed before a sworn surveyor, who issues the final verification certificates.



Alternatively, Svanehoj can issue hard-copy certificates on-site after completion, depending on the requirements of vessel owners, charterers or local authorities.