



## LNG Carrier (Malaysia)

### Boiler Tube Inspection

#### OVERVIEW

A 15-year-old LNG carrier in Malaysia was scheduled to set sail when a leak was detected in its boiler tubes thus posing a safety risk.

Had all 100% of the tubes not been inspected urgently, and within a very short duration, a mid-ocean tube leakage could have proved disastrous for the carrier and its crew.

What made it especially challenging was that the boiler tubes were D-shaped and conventional inspection technologies were deemed incapable to inspect them.

Acoustic Pulse Reflectometry (APR) technology was selected because it is non-invasive and quickly gives a precise indication of the inner diameter tube defects.

