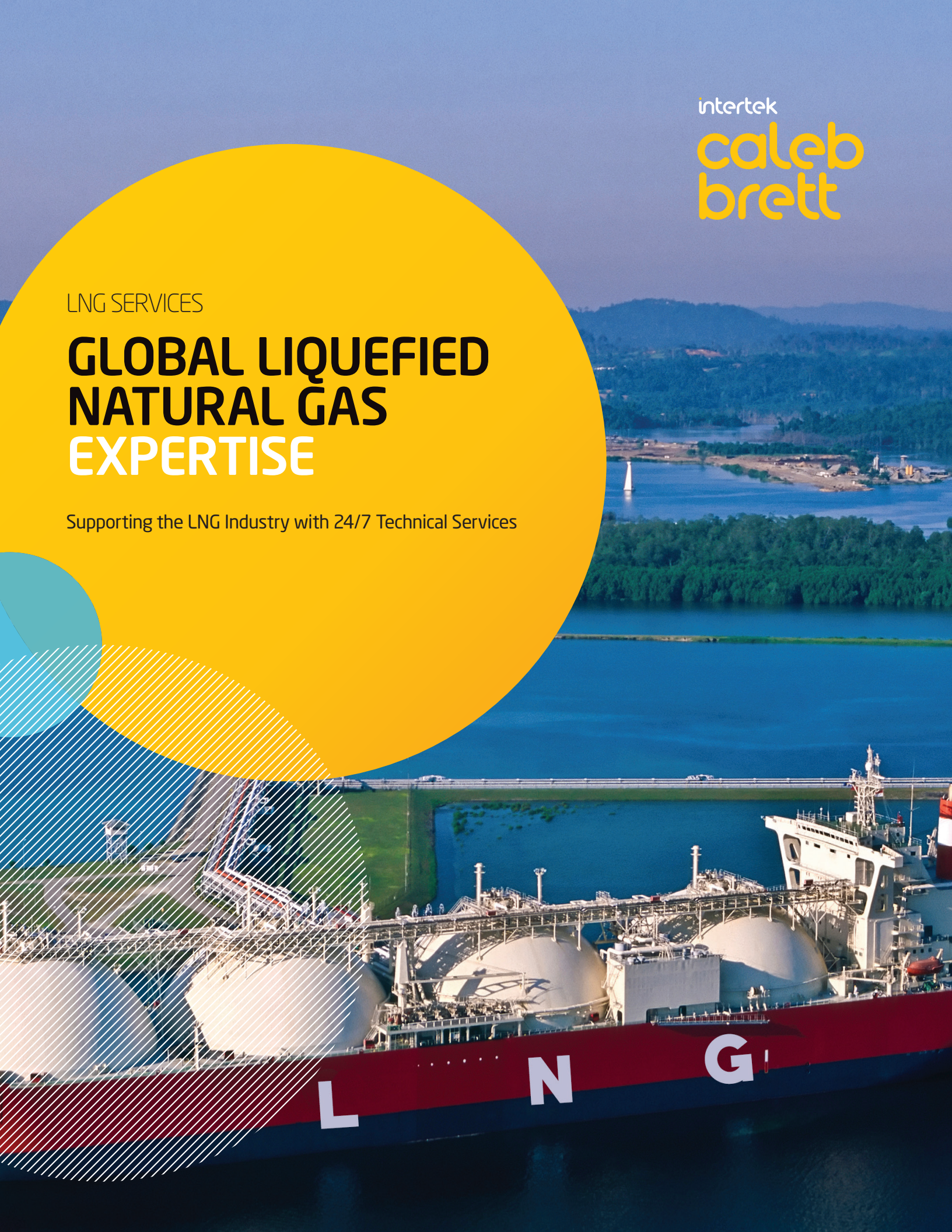


LNG SERVICES

# GLOBAL LIQUEFIED NATURAL GAS EXPERTISE

Supporting the LNG Industry with 24/7 Technical Services





## Providing total peace of mind for the LNG Industry, 24/7

Intertek Caleb Brett provides a wide range of inspection, testing, consulting, and other technical services supporting the global LNG industry. Strategically located in over 100 countries, Intertek Caleb Brett's trained professionals provide a variety of LNG services to provide customers the confidence to power ahead safely.



Intertek Caleb Brett LNG services support all phases of the industry, including engineering, production, distribution, ship-building & marine, FPSO projects, plant construction and more.

### LNG Cargo Inspection, Testing & Measurement Services

#### About Intertek

Intertek Caleb Brett supports the full onshore and offshore production, transport, storage and custody transfer process for LNG cargos with professional cargo inspection and quality testing for owners, operators and traders of LNG. In addition to this, Intertek have the expertise to provide ship and shore tank calibration.

We provide our clients total peace of mind and the confidence to manage risk and exposure.

#### LNG Cargo Related Services

- Custody transfer inspection, including thermal energy calculations reporting
- Master Sales Agreement (MSA) and Sale and Purchase Agreement (SPA) contract review and consultation
- LNG tank calibration (vessel and shore tanks)
- Vessel CTMS factory acceptance testing (FAT Inspection for new builds)
- Vessel CTMS site acceptance testing (SAT Inspection for new builds)
- Re-certification of vessel CTMS equipment (for existing fleet)
- Vessel Bunker stem survey (Quality and Quantity)
- Delivery and re-delivery inspections (charterer on-hire and off-hire inspections)
- LNG composition analysis and impurity testing to ISO, GPA, and ASTM methods
- Regulatory testing for environmental

compliance

- Mercury determination by ISO 6978-2 (onsite for ng/M3 measurements) and by UOP, ASTM, and other methodologies
- Trace sulphur analysis and sulphur speciation (H<sub>2</sub>S, Mercaptans, Thiophenes, etc.)
- Energy calculations and conversions to different standards and reference conditions
- On-Site laboratory and operations services, and more

#### LNG Infrastructure Services

Intertek Caleb Brett supports infrastructure and component engineering, manufacturing, inspection and lifecycle integrity needs with a full range of Project Assurance and Quality Control capabilities and expertise.

- Assurance-related quantitative data management
- QHSE key performance indicator (KPI) production and management
- Vendor inspection during plant procurement and construction
- Risk Based Inspection (RBI)
- Life-cycle analysis
- Asset Integrity Management (AIM)
- Design verifications for equipment and facilities
- Industrial Survey & Dimensional Control Services:
- In-service inspection activities
- Technical auditing and assessment
- Pipeline inspection and integrity studies

#### LNG Hazardous Location Services

Intertek Caleb Brett works with clients to provide the certifications needed to operate electrical equipment in hazardous areas around the world. Hazloc safety services include

consultancy, training, certification and more.

Intertek engineers and technicians can provide solutions designed for the client's specific needs.

#### About Intertek Caleb Brett:

Intertek Caleb Brett provides expert qualitative and quantitative analytical assessment services to the oil & gas, chemical and other commodities markets. With a global network of laboratories, 24/7 availability, and more than a 130 years of exceptional customer service, we deliver timely, local, and customer-centric inspection and testing services, providing our clients with full transparency and minimizing risk through the supply chain.

#### FOR MORE INFORMATION



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