



Global Measurement and Calibration Services

SAFER
GREENER
SMARTER

SGS



SGS Measurement & Calibration solutions deliver accurate and reliable measurement across the oil, gas, and related industries—helping to reduce financial risk through precise calibration of instrumentation throughout the exploration, production, storage, transport, and distribution chain. Our services enhance confidence in meter performance and minimize uncertainty across pipelines, facilities, and refineries.

With a global network of experienced engineers and consultants, we support clients in meeting national and international standards, as well as industry best practices. For over 140 years, SGS has provided trusted services to highly regulated sectors, including Energy, Marine, and Chemical Commodities.

Our solutions

- **Compliance reviews** of proposed and existing Gas, Liquid, LNG, LPG, CO₂, and Hydrogen measurement and sampling systems to ensure alignment with applicable regulatory standards
- Preparation of system **uncertainty** calculations
- Independent third-party **audits** and **GAP** analyses of measurement systems
- **Mobile** calibration services for meters and **proving** systems
- **Witnessing** of flow meter calibrations conducted at third-party facilities
- Independent attendance and witnessing of **FAT** (Factory Acceptance Tests) and **SAT** (Site Acceptance Tests)
- Measurement **training** programs—available both virtually and in-person—for hydrocarbon gases and liquids including LNG, LPG, CO₂, and Hydrogen
- Full **metering management** contract services
- Calibration of above-ground and underground **storage tanks**
- **Verification** of shore tanks and marine vessels (including ships) for gas, liquid, LNG, LPG, and Hydrogen cargo
- Certification and verification of road and rail tanker **loading systems**
- **Environmental** meter assessments for fuel, water, and flare gas applications
- Verification of marine vessel fuel gas and **BOG** (Boil-Off Gas) flow measurement systems
- **CTMS** (Cargo Tank Measurement System) certification, including compliance with JPCA standards
- Calibration of vessel **cargo and fuel tanks**
- Calibration of **ATG** (Automatic Tank Gauging), radar, and UTI (Ullage Temperature Interface) gauging systems

SGS is the world's leading testing, inspection and certification company. We are recognized as the global benchmark for sustainability, quality and integrity.

Contact us

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When you need to be sure