

13 26.982

M

MAXIMISATION

5 10.811

E

EVALUATION

1 1.0079

A

APPLICATION

19 39.098

S

SOLUTION

21 44.956

U

UTILISATION

18 39.948

R

REALISATION

5 10.811

E

EXPLANATION

4 9.0122

D

DETECTION

METER AUDITING, COMPLIANCE VERIFICATION AND EXPERTISE – SGS METERING SERVICES FOR FISCAL ALLOCATION & ENVIRONMENTAL APPLICATIONS

M

MAXIMISATION

MEASUREMENT PERFORMANCE

– INDEPENDENTLY VERIFIED AND ASSURED

Accurate metering is an essential prerequisite to reliable hydrocarbon measurements. Should metering equipment be noncompliant with legislative or project requirements there are potentially huge cost implications. Compliance issues may arise from system design and equipment selection, miscalculation, procedural errors or the failure for maintenance to be performed when required.

SGS supports the oil and gas industry by ensuring that meters, meter provers, flow computers, instruments, samplers, and all other elements comprising the measurement system operate effectively to deliver the information required for business integrity. On-site systems installation services include, calibrating new meters and certifying metering system compliance at the factory; and once metering systems are operational, we test their accuracy and audit their capabilities to ensure they are consistently providing metering and measurement performance, in accordance with specified standards.

ABOUT SGS FISCAL, ALLOCATION & ENVIRONMENTAL APPLICATIONS

As an independent metering expert, we utilise our many years of experience to assist all areas of the oil and gas industry. Whether you need support for pipeline and terminal custody transfer measurement, natural gas or LNG measurement; hydrocarbon allocation for production and transportation, multiphase metering or metering for environmental compliance (including, emissions and pollution related legislation), we can test, verify and certify your metering and measurement systems.

We draw on our extensive expertise to provide global metering support. To date we have provided metering services across Europe, the USA and Canada, South America and West Africa, as well as in the Middle East and South East Asia. Part of our regional service is through our ISO17025 laboratories, where we test equipment and provide certification for pressure and differential pressure, electrical properties, time or frequency, and more.

The services we offer cover factory calibration, on-site calibration, on-site verification, consultancy services, audits and metering management. Our services include:

Factory Calibration

- Multi Fluids Liquid Meter Calibration up to 270m³/hr
- Natural Gas Meter Calibration
- Water Draw and Master Meter Calibration
 - > Pipe rover
 - > Small volume prover
- ISO 17025 accredited facilities

On-site Calibration

- Calibration of meters and provers on production liquids
- 16 portable master provers
 - > Class 150, 300, 600
 - > Flow up to 20,000lpm
 - > Weight: 1 – 32 tonnes
- Skid or trailer mounted

On-site Verification

- System and meter performance verification using a variety of techniques and equipment

Consultancy

- Meter Selection Studies
 - > Multiphase Meter Studies
 - > Ultrasonic, Venturi, VCone, Orifice, Turbine, Coriolis, Magflow, PD
- Factory and Site Acceptance Testing
- Allocation review and system development

Audits

- Independent audit of gas and liquid metering facilities
 - > Custody Transfer
 - > Allocation Measurement

- > Flare Gas Metering
- > Fuel Gas Metering
- > API, IP, ISO, OIML, National standards

Metering Management

- Management of metering certification and operations
 - > On-site Technicians
 - > Certified Test Equipment
 - > Technical Support for Operations
 - > Interface with Pipeline

THE BENEFITS

Through the verification and auditing of metering systems at every stage of their use it is possible to guard against potential instrument or system problems, while guaranteeing trustworthy data reporting and full traceability. Procedural errors can also be highlighted and possible measurement issues prevented. Decisions can be made to ensure instruments and systems undergo the maintenance necessary when it is needed. The data achieved from metering can be relied on when making important operational decisions, potentially leading to reduced costs and improved profitability. The hydrocarbons analysis from metering systems we certify as measuring accurately can reliably be used for the calculation of an individual country's petroleum tax and royalties, and provide an analysis of how best to utilise natural resources.

As an independent auditor you can be reassured that SGS has no affiliations with meter system providers or meter manufacturers. Our service is completely impartial and as our customer you receive unbiased audits of your meters and metering systems that you can trust. Our team of expert technicians offer you full technical support for all your metering operations, using our certified test equipment where appropriate.

WHY SGS?

SGS is the world's leading inspection, verification, testing and certification company. Recognised as the global benchmark for quality and integrity, we employ over 64 000 people and operate a network of more than 1 250 offices and laboratories around the world. We are constantly looking beyond customers' and society's expectations in order to deliver market leading services wherever they are needed.

We have a history of undertaking and successfully executing large-scale, complex international projects. With a presence in every single region around the globe, our people speak the language and understand the culture of the local market and operate globally in a consistent, reliable and effective manner.

We provide innovative services and solutions for every part of the oil, gas and chemicals industry. Our global network of offices and laboratories, alongside our dedicated team, allows us to respond to your needs, when and where they occur. Our reputation for independence, excellence and innovation has established us as the market leader in providing services that improve efficiency, reduce risk and deliver competitive advantage for you.

TO LEARN HOW SGS CAN HELP YOU WITH FISCAL, ALLOCATION & ENVIRONMENTAL METERING CONTACT OGC@SGS.COM OR VISIT WWW.SGS.COM/OGC

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