

5 10.811

E

EXPERIMENTATION

14 28.086

N

NOTIFICATION

8 15.999

H

HARMONISATION

1 1.0079

A

ACTIVATION

14 92.906

N

NORMALISATION

3 6.941

C

CERTIFICATION

5 10.811

E

EVALUATION

4 9.0122

D

DEDICATION

**ENHANCING THE OIL AND GAS INDUSTRY WITH
RESERVOIR AND FIELD CONSULTANCY AND STUDIES**

HORIZON



ENHANCING

EXPLORATION, DEVELOPMENT AND PRODUCTION WITH RESERVOIR AND FIELD STUDIES



G
GENERATION

SGS Horizon provides integrated reservoir studies throughout the field life cycle, covering all subsurface, well and engineering aspects from exploration through development and production to abandonment.

These solutions help the oil and gas industry extract value and deliver competitive advantage. Our in-depth knowledge and staff experience cover a wide range of oil and gas regions, settings and environments and enable us to tailor our services to almost any specific situation or project. From prospect evaluation to reservoir and well studies, and from field development to gas storage or CO₂ sequestration, we offer a variety of solutions for the upstream sector.

OUR VALUE

Our core strength is derived from our ability to integrate the disciplines and expertise of our staff into project based teams that deliver solid results for our customers.

With a team of close to 100 highly skilled geoscientists, geologists and reservoir and well engineers, we provide fully integrated technical services to a diverse customer group including the oil and gas majors, independent companies, national oil and gas companies, banks and financial institutions.

OUR SOLUTIONS

We offer technical studies at every phase in the life cycle of oil and gas fields – from early exploration to development planning and project execution. Our experts have a proven track record of adding significant value at every stage. Furthermore our strong record of performance attests to the value we provide. Since 2001, we have completed between 50 and 100 projects ranging from short single discipline evaluations to complete integrated field reviews, including well planning and facility design or redesign. We have also acted as expert advisors in major unitisation disputes.

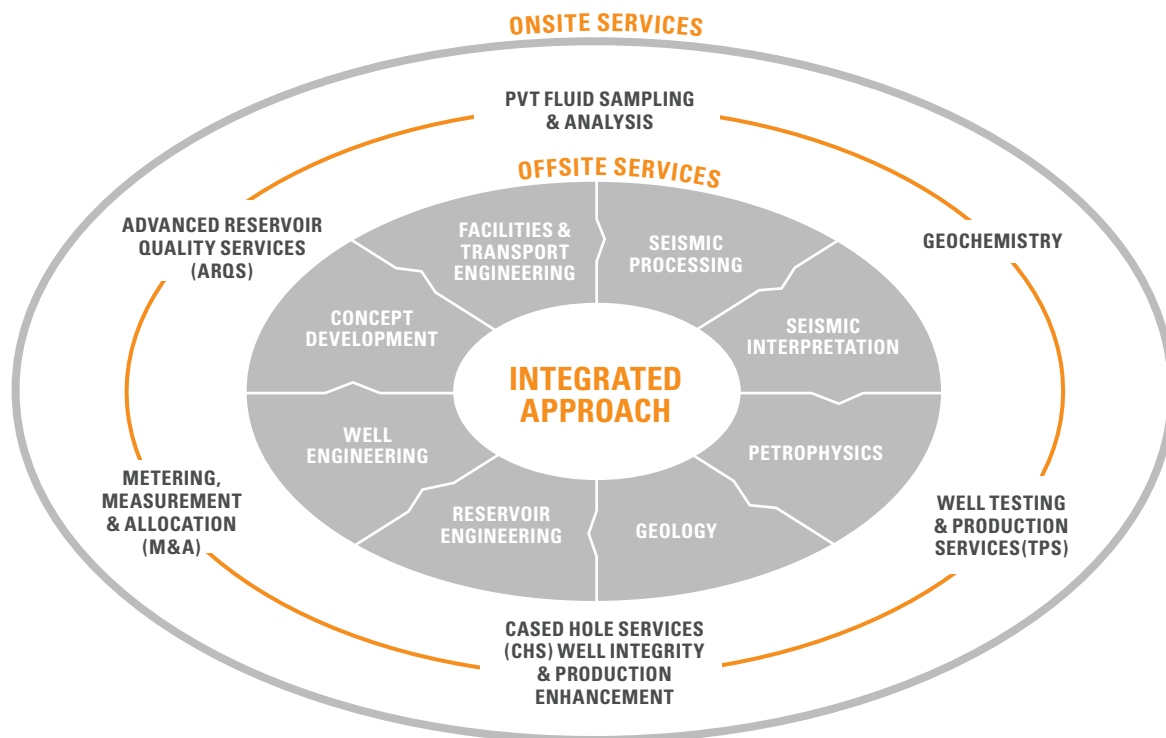
We have carried out projects all over the world and have had exposure to a wide range of technical issues and challenges such as tight gas, heavy oil, shale-gas, gas-condensates, EOR, fractured reservoirs and gas/CO₂ storage. This broad experience allows us to evaluate a project from the subsurface through to the surface infrastructure and to add value to your operations.

Our studies include:

- Seismic processing and imaging – offering a wide variety of seismic technologies for pre and post stack processing sequences (PSTM, PSDM), complex seismic imaging, velocity modelling and reservoir characterisation (AVO, inversion)
- Geophysics and seismic interpretation – our expertise covers the entire field of technologies and skills and we have experience in applications across the full lifecycle from green field to reserves determinations of fields

- Reservoir geology – benefiting from a wide-range of expertise from regional sedimentological, sequence-stratigraphic and structural exploration studies through focused field-level static reservoir descriptions, our cross-disciplinary approach drives and leads to our geological problem solving
- Petrophysics and quantitative log evaluation – essential geological information such as sedimentology, facies, burial history, diagenesis and mineralogy can be integrated, enabling the petrophysicist to come up with the best possible evaluation result across zones of interest
- Reservoir engineering – our strong team of reservoir engineers are experts on dynamic modelling, scenarios determination, oil and gas production forecasting, sensitivity analysis and resources/reserves estimation, certification and audits
- Drilling, completion and well engineering – we offer extensive drilling and completion engineering services, which can for example include front-end engineering or detailed design and operation support
- Facilities engineering and supervision – we provide basic and detailed design on new and existing oil and gas facilities, dynamic and steady state modelling and flow assurance

Our experience across a diverse area of activities speaks to the value we provide our customers.



SGS Horizon provides consulting services applicable to the full life cycle of a field. The services we offer include:

SEISMIC INTERPRETATION, RESERVOIR GEOLOGY, PETROPHYSICS, RESERVOIR ENGINEERING, WELL DESIGN AND TECHNOLOGY

EXPLORATION

- Regional Reviews
- Play Definition
- Seismic Processing
- Seismic Interpretation
- Prospect Identification and Evaluation
- Licence Applications
- Strategic Entries
- Data Rooms (A&D)
- Peer Reviews

DEVELOPMENT

- Static Reservoir Modelling
- Reservoir Simulation
- Seismic Inversion
- Well Design and Technology
- Risk Assessment and Petroleum Economics
- Conceptual Engineering
- Geomechanics

PRODUCTION

- Reservoir Management
- Reservoir Monitoring
- History Matching
- Enhanced Recovery
- Field Operations
- Re-development
- Drilling and Completion Services
- Facilities Engineering and Supervision

SPECIAL STUDIES

- CO₂ Sequestration
- Chemical EOR
- Unconventional Reservoirs
- Underground Gas Storage
- Coal Bed Methane Reservoirs

ASSET VALUE ASSURANCE

- Equity Re-determination
- Reserve and Resource Technical Audits and Certifications
- Competent Persons Reporting (CPR)

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 80,000 people and operate a network of more than 1,650 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 provide innovative services and solutions for every part of the oil and

gas industry. Our global network of offices and laboratories and our dedicated team allow us to respond to your needs, when and where they occur. Our reputation for independence, excellence and innovation have established us as the market leaders in providing services that improve efficiency, reduce risk and deliver competitive advantage for you.

Founded in 2001, we became part of the SGS Group in April 2008.

As part of SGS' oil and gas services,

SGS Horizon provides integrated studies throughout the field life cycle, covering all subsurface, well and engineering aspects from exploration through development and production to abandonment.

**FOR MORE INFORMATION,
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WWW.SGS.COM

WHEN YOU NEED TO BE SURE

