

RESERVOIR AND FIELD SOLUTIONS ENHANCING THE OIL AND GAS INDUSTRY



ENHANCING GENERATION DEVELOPMENT AND PRODUCTION WITH RESERVOIR AND FIELD SOLUTIONS

SGS Horizon provides integrated solutions 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 experience of a wide range of oil and gas regions, settings and environments, 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 and reservoir, drilling and well engineers, we provide fully integrated technical services to a diverse customer group including the oil and gas majors as well as independent and national oil and gas companies.

OUR SOLUTIONS

We offer technical solutions 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 over 200 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 experts in major unitisation disputes.

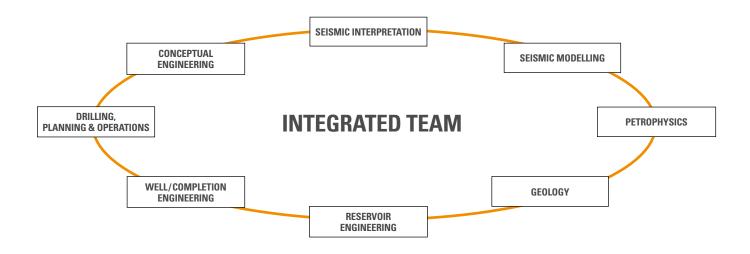
We have carried out projects all over the world and have had exposure to a wide range of technical issues and challenges such as tight gas, heavy oil, gas-condensates, EOR, fractured reservoirs and gas/CO₂ storage. This broad experience allows us to evaluate a project from the subsurface through to the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

Our solutions include

- Geophysics and seismic interpretation

 our expertise covers the entire field
 of technologies and skills and we
 have experience in applications across
 the full life cycle from greenfield 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 exceptionally strong team of reservoir engineers bridges the gap between the various geoscience disciplines on the one hand and the well and facility engineering disciplines on the other.
- Drilling, completion and operations engineering – we offer extensive drilling and completion engineering services, which can for example include front-end engineering or detailed design, operator support and operational supervision of job execution.

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



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

SEISMIC INTERPRETATION, RESERVOIR GEOLOGY, PETROPHYSICS, RESERVOIR

ENGINEERING AND WELL DESIGN & TECHNOLOGY

- Regional Reviews
- Play Definition
- Seismic Interpretation
- Prospect Identification & Evaluation

EXPLORATION

- License Applications
- Strategic Entries
- Data Rooms A&D
- Peer Reviews

· Static Reservoir Modelling

DEVELOPMENT

- Reservoir Simulation
- Seismic Inversion
- Well Design & Technology
- Risk Assessment & Petroleum Economics
- · Conceptual Engineering
- Geomechanics

• Reservoir Management

PRODUCTION

- · Reservoir Monitoring
- · History Matching
- Enhanced Recovery
- Field Operations
- · Re-development

STORAGE

- CO₂ Sequestration Field Operations
- · Underground Gas Storage

ASSET VALUE ASSURANCE

- Equity Re-determination
- Reserve & Technical Audits
- · 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 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 provide innovative services and solutions for every part of the oil, gas and chemicals 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's Oil, Gas & Chemicals business, SGS Horizon provides integrated solutions throughout the field life cycle, covering all subsurface, well and engineering aspects from exploration through development and production to abandonment.

FOR MORE INFORMATION, EMAIL INFO@HORIZON-EP.COM, VISIT WWW.SGS.COM/HORIZON OR WWW.HORIZON-EP.COM

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