

# Asset Evaluation Services

Oil & Gas Reserves  
Asset Performance Review &  
Due Diligence



RESERVOIR

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RESERVOIR has a strong background in the consultancy business and works with a team of seasoned experts covering all E&P relevant disciplines (from GnG and engineers to commercial experts). All our associates have deep technical knowledge and wide range of work experience, and some of them work closely with universities or have published important papers or books in their areas. This enables us to offer an one-stop-shop of all disciplines to evaluate any oil and gas asset worldwide. Based on our long consultancy experience, we have created products to evaluate assets using our propriety software and developed a new system that presents results completely attuned to the needs of our customers.

RESERVOIR approaches every evaluation strongly analytical by applying extensive knowledge of fluid flow physics combined with significant practical field development and commercial experience in the E&P business. During the project, we offer 24/7 technical assistance to our clients.

RESERVOIR deliverables are based on a fully probabilistic technical workflow (any large datasets), covering all uncertainties and risks. For this purpose we also analyse and optimize client's KPIs (Key-Performance-Indicators), delivering asset evaluation in standardized and customizable reports, the perfect tool for decision making and strategic planning.

The intention of this document is to introduce RESERVOIR for potential future cooperation on different oil and gas assets screenings or evaluations.

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## The Company

RESERVOIR is a private limited company, registered in Singapore. The founding partners reside in Hamburg and Kuala Lumpur.

RESERVOIR 's specialists are seasoned experts, who cover all E&P technical disciplines and have wide geographic exposure. Our service offering is relevant for E&P companies, host authorities and financial institutions.

## Our Services.

RESERVOIR is specialized in providing techno-commercial services to the oil and gas upstream business. With our asset (e)valuation service we provide independent guidance regarding the current and the potential future value of oil and gas properties and production strategies that maximize recovery profits and minimize development and production costs.

Having a strong background in the consulting business, RESERVOIR 's offering combines latest proprietary technologies with substantial in-house expertise. This allows us to offer our clients accurate techno-commercial consultancy services including:

- Asset Performance Review<sup>®</sup>
- Unconventional & Conventional Reservoir Assessment,
- Due diligence for acquisitions, divestments and mergers or financing (M&A),
- Data-room & bid preparation evaluation,
- Asset & corporate valuations,
- Technical & financial risk analysis,
- Financial negotiation support,
- Decision & Risk Analysis on field, block or portfolio level,
- Independent cost estimates and verifications,
- Portfolio optimization and management.

## Our Products

RESERVOIR delivers detailed reports on the studied assets, presenting the results of a fully probabilistic workflow which covers all uncertainties and risks. The deliverables can be used for asset documentation, acquisition/divestment of assets or for project finance.

Our due diligence is based on a multi-disciplinary concept that offers a wide scope: from simple pre-data room analysis using public domain information or data room information to focus on key elements of assets to the full technical and commercial due diligence. Latter includes the full range of potential project risk and uncertainties, originating from reservoir, development and commercially related aspects.

RESERVOIR 's technical review and techno-commercial offering comprises various products.

Asset Insight. This product offers a deeply analytic fast track performance review of oil and gas assets. The deliverable and report are particularly useful in providing an overview in non-operated ventures or for

### PORTFOLIO MANAGEMENT

- Value optimization
- Decision & Risk analysis

### ASSET DEVELOPMENT & OPTIMIZATION

- Decision support for field development
- Concept screening, selection and FID
- Decision & Risk analysis (value of information)

### ASSET DUE DILIGENCE

- Asset screening & evaluation
- Data room assessment
- Negotiation support

### ASSET INSIGHT

- Asset Performance Review<sup>®</sup>
- Analytic insight and benchmarking

host authorities. Our major product covering these topics is called Asset Performance Review<sup>®</sup>. It is essential for screening of portfolios, audits and data rooms for merger and acquisition (M&A) activities

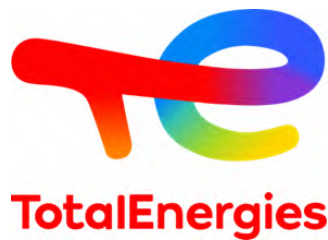
where efficiency and fast turn around times are of paramount importance.

**Asset Due Diligence.** This due diligence product comprises the full techno-commercial evaluation to determine the value and potential of an oil and gas asset. This is the perfect tool to advise on farm-in, farm-out or acquisition activities, from screening to the negotiation stage. Clients can achieve short turnaround times for valuations using, for example, 'real-time' modelling capabilities and live asset models.

**Asset Development & Optimization.** This product supports concept selection and optimization. The results are suitable for field development planning and decision making and the support of final investment decisions (FID).

**Portfolio Management.** This product combines RESERVOIR's technology on a portfolio level. It supports analysing and improving the value of a portfolio. It is particularly suitable for M&A activities covering farm-in, farm-out or divestiture of portfolios.

We would like to thank the following major clients for their trust in our services in the last years:



**Schlumberger**

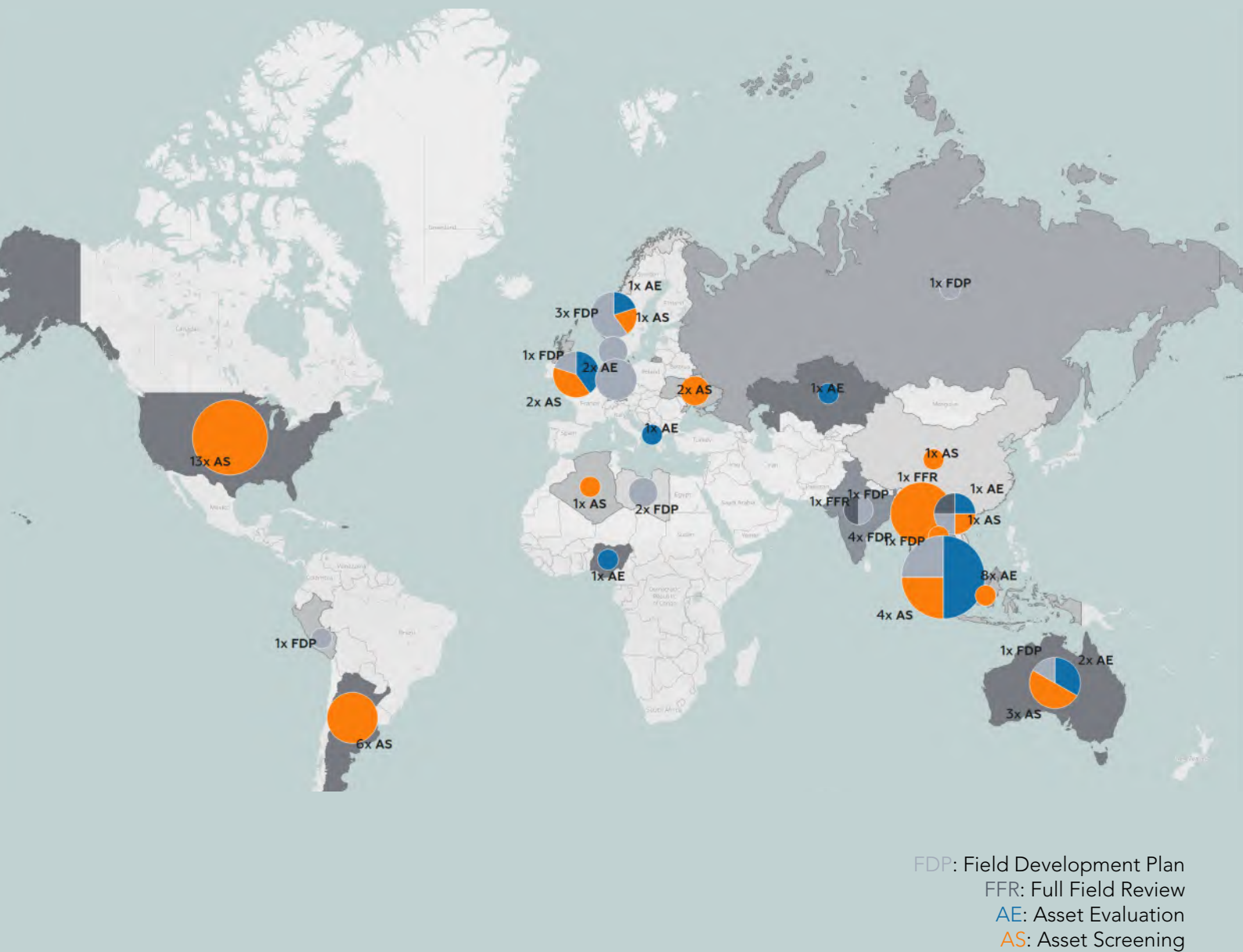
**Munich RE**



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## Project References



The map above summarizes relevant field experience where RESERVOIR's technology and workflows had been implemented for various clients all over the world. RESERVOIR has expertise in conventional and unconventional projects.