Prime Energy Consult Ltd. (PRIME ENERGY) provide management and advisory services spanning the upstream oil and gas business cycle, including asset and operations management, reservoir studies, field development planning, drilling, production assurance, facilities engineering and abandonment. Our personnel are seasoned, highly trained and motivated professionals, each with many years experience with international operating companies. Based in Dubai, PRIME ENERGY is independent, and specialise in the delivery of objective solutions to meet client needs, safely and efficiently. Consequently, the client is assured of receiving the highest quality, most cost effective solutions to create asset value.

**INTRODUCTION**

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**Integrated Approach**

PRIME ENERGY specialise in providing an integrated approach. We work closely with our clients to ensure their objectives are clearly understood and our interests are aligned.

We consider our clients to be our partners. Our strength is providing expertise in technical and commercial disciplines to the oil and gas industry. We believe innovation and best industry practice are the keys to unlocking value throughout the life of the asset, from exploration and appraisal, through development and production, to abandonment.

**Philosophy**

PRIME ENERGY’s philosophy is to utilize people with exceptional talents and skills, working together to provide exceptional results. Our expertise includes world-class geoscientists, engineers and commercial analysts. PRIME ENERGY’s personnel assigned to a client’s project can draw on the collective backing of the full expertise and knowledge base of the company.

Our personnel are dynamic individuals who make their clients’ goals their personal goals. This guarantees results of the highest calibre and continuous recommendation of our service by reputation.
OUR SERVICES

PRIME ENERGY services are positioned across the asset life cycle to help clients achieve maximum value at each stage from initial Acquisition to Exploration and Appraisal, through Development and Production to final Abandonment.

We utilize an integrated approach involving all the subsurface and engineering disciplines to progressively plan and implement programmes, working closely with our clients to ensure their objectives are met safely and efficiently. This approach enables PRIME ENERGY to be accountable for the project and ensures that standards are maintained at a high level.

Our team of highly experienced, qualified personnel works with the client’s in-country personnel.

This blend of local knowledge and international operating and management standards achieves the best result.

Asset Management

PRIME ENERGY offers a holistic approach to help clients identify optimal strategies for asset development and can then assist in their implementation. We can assess the value, risks and uncertainties of assets or portfolios at any stage during the life cycle.

Using a multi-discipline approach, we focus on creating value at each stage of the asset life cycle. Strategic Acquisitions that build a balanced portfolio and Divestiture of non-performing or non-strategic assets. Exploration programmes that fully assess and de-risk the hydrocarbon potential. Appraisal of discoveries and choice of Field Development. Later stage investments including EOR, Production Enhancement, Field Rehabilitation and finally Abandonment.


I Operations Management

Implementing the Asset Management plans described above, PRIME ENERGY has a seasoned team of senior operations and project managers each with over 25 years experience with major oil companies, backed up by our experienced technical staff.

We have delivered demanding projects, often in remote and hostile environments, under budget and to very tight schedules. We provide project management of the operational activities:

- Seismic acquisition
- Drilling
- Field development
- Oil & gas production startup and operations

We use the industry best practice Capital Value Process to develop detailed plans and then execute them using rigorous project management systems and processes.

I Subsurface & Reservoir Management

Drawing on our broad experience of many basins around the world, PRIME ENERGY offer a wide range of reservoir evaluation and management services for all stages of asset life cycle.

Starting with subsurface studies to support technical due diligence for asset Acquisitions, we can then conduct comprehensive acreage evaluations during the Exploration stage.

This integrates subsurface studies, including specialised seismic interpretation with structural modelling and mapping; evaluation of hydrocarbon plays; basin modelling and geochemistry; mapping of leads and prospects; and assessment of oil and gas resources. After drilling success we can design an effective Appraisal programme to prove up reserves and de-risk the discovery, thus enabling the client to reach a conclusive commerciality decision in the shortest time.

PRIME ENERGY provide a full range of sophisticated reservoir geomodelling and simulation services to support Field Development planning (see below). This is underpinned by sound petrophysical, classical reservoir engineering and petroleum engineering studies.

As a specialised service we can provide Certification of Reserves and Resources and competent person’s reports for most countries globally.
Field Development Planning & EOR

PRIME ENERGY's team of experienced geoscientists and reservoir engineers can conduct studies for concept level or full Field Development Plan covering the entire life of the asset.

This draws on our integrated, multidisciplinary approach to deliver a unified plan. Petrophysical analyses, geomodelling projects and reservoir simulation studies are used in conjunction with concept design of surface facilities and development wells, to optimize the development scenario. Economic modelling and risk assessment can be used to identify the most cost-effective development plan and identify the key drivers for economic success.

PRIME ENERGY offers a similar integrated approach to support investments decisions for Enhanced Oil Recovery (EOR), pressure maintenance and gas utilization.

These may form part of a greenfield Enhanced Field Development Plan (EFDP), or as in incremental project later in the asset life. Our expertise spans the entire EOR project from the initial screening study, through design and planning, to project management of the implementation.

We offer a complete range of EOR applications and specialise in CO2 injection and Steam Flood for Heavy Oil developments. Our teams have implemented several successful projects for major oil companies in the Middle East, Europe and North America.

Drilling Engineering & Project Management

PRIME ENERGY provide an integrated service that delivers wells on time and within budget. We undertake well design and rig selection to ensure that the drilling objectives are consistent with rig specifications. We provide drilling engineering and supervision, operations and well site geology. In particular, PRIME ENERGY specialise in the design and drilling of HPHT wells both on and offshore. We can provide training and mentoring of client personnel in these high risk operations.
Facilities Engineering

PRIME ENERGY has extensive experience in concept selection and definition of surface facilities from the early stages of an asset’s life cycle up to full investment sanction.

We can manage the integration of engineering, HSE, and project management disciplines with subsurface and drilling to progressively move from providing ‘ball park’ cost and schedule data to final scope, cost and schedule numbers for full development sanction.

We can deliver the Project Execution Plan and Basis of Design and then work with the client on successful execution management to ensure HSE, cost, schedule and reliability objectives are met.

Production Assurance

PRIME ENERGY’s Production Assurance service starts at the Development stage of the asset’s life, ensuring that facilities will perform as planned. Later during the Production stage, our teams can review the asset’s performance to identify areas of significant value gains. The focus is on changes in the base-line assumptions which can result in non-optimum performance and thus present opportunities to add value.

Solutions may hinge on workovers, infill drilling, recompletion, artificial lift, debottlenecking, Opex per barrel reduction, new technologies, near-field exploration and third party business. Project economics can be further improved late in field life with incremental oil recovery projects.

Field Rehabilitation

PRIME ENERGY can provide cost effective solutions for mature assets either for brown field developments or field rejuvenation projects. New technologies, EOR and pressure maintenance projects, geomodelling and simulation can be used as leverage to improve reserves recovery and boost production on declining or dormant fields. Our integrated approach to Field Development Planning (as described above) ensures that optimum re-development scenarios will be selected based on economically sound judgements.

We can then use our experience in Operations and Asset Management to implement the Field Rehabilitation project.

For further information, copies of our Capability Summary and detailed Capability Statements are available on request or on our website www.primeenergyconsult.com
PRIME ENERGY have completed projects in more than 50 countries worldwide as shown below. These span desk top evaluations through operational projects in client offices or in field locations.

**PROJECTS**

**MANAGEMENT TEAM**

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
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