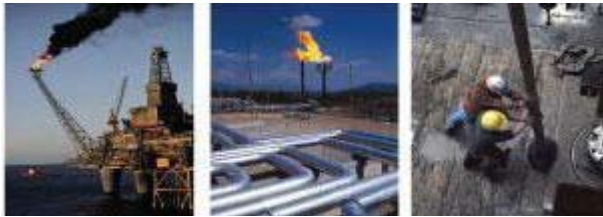




company [profile](#)



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GRIFFIN ENERGY

Griffin Energy is an international company with offices worldwide. Our main operations are managed by our offices in Sana'a, Yemen and in Dubai, UAE. As part of the Griffin Group, Griffin Energy has established itself as a major international company in the oil and gas industry, with extensive experience in oilfield services and project management in remote locations and challenging environments.

Griffin Energy provides the following services:

- Oil and Gas Exploration and Development
- Oilfield Services:
 - Drilling and workover fluid services
 - Environmental services
 - Well testing and early production facilities
- **Energy Trading**
- **Engineering, Design and Construction Services**
- **Technical Manpower Services**
- **Security Services for Oil and Gas Assets**

Oil and Gas Exploration and Development

Griffin Energy is a successful founding partner of DOVE Energy in Yemen. Dove Energy develops and operates the Sharyoof field where oil was discovered in December 2001. The facility is designed to process 25,000 bopd and 150,000 bwpd and includes oil and water separation vessels and storage tanks. There is also access to the dedicated export pipeline leading to the collection point at the Nexen operated Masila CPF. This connects directly to the Ash Shihr terminal in the Gulf of Aden.

Griffin Energy provides the following services

- Reservoir studies
- Field studies
- Field development plans
- Work programs and operations management
- Financing and finance planning



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Griffin Energy provides the following:

Drilling and completion fluid services

- Completion fluid filtration
- Fluid management and transport
- Mud and brine rental
- Mud and brine plant for safe storage of OBM, WBM and brine
- Reconditioning of drilling and completion fluids
- Fluid analysis

Environmental services

- Filtration of produced H₂O
- Vessel and production tank cleaning
- Feasibility studies • Site assessment
- Oil waste management and disposal facilities
- Soil remediation

Well testing and early production facilities

- Production testing
- Well clean-up
- Extended well testing
- Data acquisition and interpretation
- Fluid sampling and analysis
- Early production facilities:

Fit for purpose set-up

Design and manufacturing capabilities in Romania

Build-operate-transfer

Operations and maintenance

Flexible commercial models

Cased hole logging services:

- Gamma ray / CCL
- Radial cement bond tools (RBT)
- Multifinger imaging tool (MIT) and magnetic thickness tool (MTT)
- Pulse neutron neutron (PNN) tool
- Production logging tool (PLT)
- Free point indicator

Open hole logging services:

- Resistivity
- Porosity
- Density
- Caliper
- Dip logging

Perforation services:

- Size from 1 9/16" to 7" guns
- TCP • Electric line casing guns
- Through tubing perforation
- Tubing cutters
- String shot – back off
- Protect firing system



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Energy Trading

Griffin Energy Ltd. has formed strong partnerships with global market leaders in international energy trading. Griffin Energy specializes in international energy trading and has an extended global network serving most of the recognized participants in the industry. Private companies and government agencies use its Inventory Management Service to optimize the value of their crude oil and finished petroleum product stocks.

Key activities

- Supply and trading of crude oil and refined petroleum products
- Direct supply of the full product range, from crude oil and other refinery feed stocks to refined products, including LPG, naphtha, mogas, jet fuel, gas oil and fuel oil as well as bio-fuels
- Physical oil trading, matched by activity in the swaps market to counterbalance the price volatility existing in these markets
- Providing clients with hedging and price management solutions
- Refinery processing and downstream activities, including storage and marketing
- Inventory management
- Storage and storage facilities
- Shipping
- Price risk management
- Asset development

Engineering, Design and Construction Services

Griffin Energy Construction is an ISO9001:2000 company and is one of the fastest growing construction companies in Yemen. Since 1992 the company has catered specifically to the growing demand for quality project implementation in the oil and gas industry. Griffin Energy has emerged as a successful contractor in the field of electrical, instrumentation, control, process engineering, civil construction and electro-mechanical installations, from FEED to commissioning and start-up.

The client base includes recognized oil and gas companies.

Griffin Energy has partnered with major engineering companies such as Petrostar SA on design and engineering projects. Griffin Energy also worked with MW-OCS on the design and supply of fully assembled and tested skid mounted modular production and processing equipment. Projects include desalters, dehydrators and various oil, gas and water separation processes, all with leading suppliers focused on bringing the best products, technology and service to Yemen. Griffin is also the exclusive partner in Yemen of WorleyParsons, the leading provider of professional services to the energy, resource and complex process industries

Griffin Energy Construction is now proud to be a full service Engineering, Procurement and Construction Management (EPCM) company, providing quality project management, process design, engineering, procurement and construction management expertise to the oil and gas sector. Our expertise includes:

- Process Engineering
- Project Controls
- Mechanical Engineering
- Rotating Equipment
- Pressure Vessels
- Heat Transfer
- Electrical Engineering Instrumentation/Controls
- Civil Engineering
- Piping Engineering



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- Piping Stress Analysis
- Project Management/Scheduling
- Estimating Construction Management
- Site Inspection/Shop Inspection
- Safety/Safeguarding/HAZOP
- Procurement/Purchasing/Expediting
- CADD Drafting

Our projects include:

- Well site preparation and decommissioning
- Oil and gas production facilities.
- Oxygen and nitrous oxide gas plants
- Electro-mechanical installations
- Electrical instrumentation and controls
- Erection of process plants and steel structures
- Erection of electrical substations, switchgears control panels and distribution boards
- Plant rooms and pumping stations

As of January 2007, Griffin Energy Construction has a workforce of more than 350. It owns, operates and maintains a complete fleet of vehicles to service and support construction activities. Ancillary equipment and machinery is also available. Griffin Energy Construction has workshop facilities to service, repair and maintain equipment.

Technical Manpower Services

Griffin Energy is an experienced provider of manpower services, recruiting for all levels of expertise in the oil and gas industry. Griffin Energy brings extensive experience and expertise to the manpower sector in Yemen.

Key strengths:

- Extensive knowledge of the oil and gas industry
- Extensive experience in Human Resource Management

Key services:

- Global staffing services, international and national candidates, including a pre-screened candidates database
- Technical experts
- Executive search
- Consulting services for legal and immigration services
- Assistance with residence and work permits
- VIP airport transfers, travel assistance and transportation

Security Services for Oil and Gas Assets

Griffin Energy provides corporate clients in the oil and gas industry with professional security services for its investment projects. Griffin Energy devises and implements solutions for clients' complex security issues, often in



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challenging and remote locations. Griffin Energy has established a reputation as the leading provider of defensive and protective security services in Yemen.

Our services include:

- Full turn-key security operations for clients in the oil and gas industry
- Protective security and management for oil and gas facilities and pipeline projects
- Risk management consultancy for strategic and operational security solutions
- Expatriate security managers
- Private security guard forces
- Personal security, VIP security escorts and close protection
- Training and consultancy
- Security equipment, technology, security installations and access control
- Surveillance and air support
- Medical support services

A typical Griffin Energy security team has international staff with extensive regional and operational experience. This team is supported by key local national management and local security professionals, ensuring that international standards are combined with essential local insight, access and knowledge.

Our Customers

Griffin Energy has a diverse portfolio of customers in the oil and gas industry. Private clients, public companies and government agencies worldwide select Griffin Energy as their partner in the most challenging and complex projects. Although each client has unique needs and goals, they return to Griffin Energy because of our reputation for reliability. Our experience includes assignments in Yemen, Libya, Morocco, Egypt, Algeria, Jordan, Iraq, Saudi Arabia, UAE, Oman, Sudan, Kenya, Tanzania, Bangladesh, Pakistan and Afghanistan.

We are proud of the fact that many of our clients come back to Griffin Energy or have been referred to us by satisfied clients. We have a proven reputation for on time delivery within budget. With several hundred successful projects, we have the experience, resources and credentials to meet the most demanding requirements.

Our client portfolio includes:

Baker Hughes	Petro-Canada
Daewoo Group	Punj Lloyd
Dove Energy	YLNG
Hunt Oil	SKEC
IPW	TDD
JGC Corporation	Technip
Kellog, Brown & Root	Total
Kogas	WAHA Oil Company
Le Duc	Woodside Australian Energy
Muhibbah	Wintershall
RWE	Yemgas
Oxy	YGC

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