

# Natural Gas Consulting

## Integrated Solution – Global Reach

### What We Do

Petroleum Development Consultants Limited (PDC) provides advice to the upstream oil and gas industry. Based in our offices in London, our teams of engineers and geoscience staff solve problems and help oil and gas companies across the globe succeed with the challenges of the modern industry.

### How We Can Help

Over 20 years PDC has assisted organisations monetise and develop gas assets. From assisting gas companies monetise gas fields, start/expand LNG/LPG projects to assisting governments and ministries with creating gas master plans and assisting in deregulation of gas markets.

### Past Experience

**Kenya** – Advising National Oil Company of Kenya on improvement of E & P policy and particularly addition of specific gas terms

**Tanzania** – PDC carried out a prefeasibility study for a pipeline to run along the coast of the country to monetise potential new discoveries and link them to market

**Nigeria** - PDC reviewed LNG pricing trends for LNG sales contracts from Nigerian LNG for a group of banks financing this project.

**Ireland** – Supported the development of the Seven Heads gas field. Work included analysis of potential customers and evaluation of transportation pricing issues

**Vietnam** - PDC supported PetroVietnam with their negotiations with BP on the Nam Con Son gas field which lead to a \$2 billion investment in the country.

**Israel** – Assisting the Natural Gas Authority on the development of the gas transportation and distribution industry

**Romania** – PDC produced the Field Development Plan for the Bilca field and project managed the building of the gas processing facility (see image lower right)



- **Integrated Subsurface Studies**
  - **Reserves Certification**
  - **Field Development Planning**
    - **Project Management**
      - **Due Diligence**
- **Exploration & Production Policy**
  - **Negotiations**
  - **Market Analysis**
- **Regulation & Liberalisation**
  - **Expert Witness**



## Examples of Our Work:

### Integrated Subsurface Studies

**Argentina** – G&G, reservoir engineering & engineering study for the redevelopment of a mature oil field.

**PNG** – Integrated team comprising G&G, reservoir engineering team to evaluate onshore gas field

### Reserves Certification

**Africa** – Technical reserves report was composed for a billion barrel oilfield for the raising of funds from a consortium of banks

**Africa** – Technical reserves were prepared as part of a due diligence study for the acquisition of a gas field in Nigeria

### Field Development Planning

**Argentina** – Prepared re-development plan for RepsolYPF for the Lunlunta-Carrizal field in production since 1950 concentrating on workovers and infill vertical and horizontal wells

**Abu Dhabi** – Carrying out a project for ADMA-OPCO developing field plans for two large offshore oil fields in production for thirty years. Field development plans to cover the next 35 years of production.

**Romania** – Leading development of three gas fields in northern Romania and carrying out gas sales negotiations

### Project Management

**Romania** – Project managed the EPC of the gas processing facilities of the Bilca gas field

### Due Diligence

**Nigeria** – Data room study for a major gas company to provide an independent overview of a gas asset

**Romania** – Advising Gazprom on acquisition of gas distribution company

### Exploration & Production Policy

**Kenya** – Advising National Oil Company of Kenya on improvement of E & P policy and particularly addition of specific gas terms

### Market Analysis

**Egypt** – Prepared study on the gas market for US independent oil company

**Russia** – A number of studies have been carried out including a market study of potential oil and oil production exports through Tallin, Estonia on behalf of the purchaser of Estonia Rail. Study of oil and oil product exports from the Caspian through Poti Port, Georgia on behalf of the EBRD

### Regulation and Liberalisation

**Russia** – Assisting Ministry of Energy to develop scenarios for gas liberalisation on behalf of EU Delegation, Moscow

**UK** – Acted as technical advisor to the Office of Gas and Electricity Markets (Ofgem) as part of the Price Regulation 2002-7 of Transco the monopoly gas transmission and distribution operator

### Expert Witness

PDC has provided expert witness services at a number of international courts including the Arbitration Courts in Stockholm, Copenhagen, Singapore and London.

### Negotiations

**Vietnam** – Acted as advisor to PetroVietnam in the negotiation of gas contracts with BP to develop the offshore Nam Con Son gas fields leading to total investment of \$2.5 billion

**Ireland** – Supported the negotiation of a gas contract for offshore gas field with RWE Energy

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