



Europe, Africa & Russia Caspian

United Kingdom
Bentley Hall, Blacknest,
Alton, Hampshire
GU34 4PU, United Kingdom
Tel: +44 (0)1420 525366
+44 (0)1420 526700
GCA.BD.London@gaffney-cline.com

United Arab Emirates
TechnoPark Jabel Ali,
Dubai, United Arab Emirates
Tel: +971 55 992 2918
GCA.BD.Dubai@gaffney-cline.com

Asia Pacific

Singapore
80 Anson Road, #31-01C
Fuji Xerox Towers
Singapore 079907
Tel: +65 6225 6951
GCA.BD.Singapore@gaffney-cline.com

Australia
Level #16-04, 275 Alfred Street
North Sydney, NSW 2060
Australia
Tel: +61 2 9955 6157
GCA.BD.Singapore@gaffney-cline.com

Americas

Houston
5555 San Felipe Street
Suite 550
Houston, TX 77056
USA
Tel: +1 713 850 9955
GCA.BD.Houston@gaffney-cline.com

Argentina
Edificio Puerto León
Juana Manso 205, piso 3
Dique 4, Puerto Madero
C1007CBE
Buenos Aires,
Argentina
Tel: +54 11 4378 6497
GCA.BD.BuenosAires@gaffney-cline.com

**Gaffney,
Cline &
Associates**

www.gaffney-cline.com

Terms and conditions of use: by accepting this document, the recipient agrees that the document together with all information included therein is the confidential and proprietary property of Gaffney, Cline & Associates and includes valuable trade secrets and/or proprietary information of Gaffney, Cline & Associates (collectively "information"). Gaffney, Cline & Associates retains all rights under copyright laws and trade secret laws of the United States of America and other countries. The recipient further agrees that the document may not be distributed, transmitted, copied or reproduced in whole or in part by any means, electronic, mechanical, or otherwise, without the express prior written consent of Gaffney, Cline & Associates, and may not be used directly or indirectly in any way detrimental to Gaffney, Cline & Associates' interest.

© 2017 Gaffney, Cline & Associates. All rights reserved.



Experts in the
business of energy

**Gaffney,
Cline &
Associates**

Overview

For over 50 years, Gaffney, Cline & Associates has provided both broad-based and detailed technical and commercial advice to our clients across the oil and gas industry. Our staffing includes all the capabilities found in an integrated oil company. Our strength is derived from the large number of projects each professional works upon and the ability of our staff to analyse and understand complex data sets in order to identify key sources of value, uncertainties and solutions. Our staff pride themselves on the provision of an independent opinion, and we strive to provide pragmatic recommendations.

Technical services

- Exploration studies including basin evaluation.
- Prospect evaluation and risk analysis
- Reserves and Resources assessment
- Reservoir appraisal, description and characterisation
- Unconventional Resource evaluation
- Static and dynamic reservoir modelling
- Seismic interpretation and peer review
- Petrophysics problem solving
- Technical due diligence
- Field development planning and feasibility assessments
- Unitisation and redetermination
- Technical peer review, training and coaching

Strategic services and support

- Energy strategy and regulatory frameworks
- Licensing round management
- National energy planning
- Petroleum business consulting
- Partner identification, evaluation and selection
- Exploration and resource maturation strategies
- Technology assessment
- Competency building and organisational models
- Litigation, arbitration and expert witness



Why choose GCA?

- **Full range of disciplines:**
Gaffney, Cline & Associates offers experienced teams that provide a full range of disciplines covering all the technical, strategic and commercial aspects of a client's project.
- **Global presence:**
Gaffney, Cline & Associates has established regional offices in the USA, UK, and Singapore supported by a number of satellite offices. Our teams can call on experts across our offices to provide on-the-ground knowledge.
- **Internationally experienced experts:**
Many of Gaffney, Cline & Associates' senior personnel have extensive experience in the international petroleum industry gained from employment with major oil companies, national oil companies and consultancies.
- **Established worldwide reputation:**
Gaffney, Cline & Associates has an established reputation with major and independent oil and gas companies, governments and national oil companies, as well as leading international financial and legal institutions.
- **Experienced in all major petroleum basins:**
Gaffney, Cline & Associates has completed or is currently engaged in oil and gas projects in all the major petroleum basins or regions of the world.
- **Multi-disciplined approach:**
Gaffney, Cline & Associates possesses all the capabilities found in an integrated oil company. Project teams work closely together to derive solutions designed to meet the technical, commercial and strategic requirements specific to each assignment.

Clients

- Major and independent oil and gas companies
- Governments and national oil companies
- Petroleum service, pipeline and energy companies
- Regulatory bodies, legal and accounting organisations
- Financial institutions, banks and funding agencies

Commercial services and advice

- Hydrocarbon commercialization
- Gas master plans and LNG/GTL project support
- Hydrocarbon transportation analysis
- Financial feasibility studies
- Commercial risk assessment
- Supply, distribution and market analysis
- Mergers and acquisitions
- Market listings
- Asset and corporate valuations

Exceptional insight delivered in practical terminology

Gaffney, Cline & Associates' projects are typically complex analyses of high-value technical, strategic and commercial issues. Communicating the results of the work requires a comprehensive understanding of the needs and concerns of the client and the ultimate beneficiary. This becomes especially important when the results are to be read by people who may have little, if any, background in the subject matter - public offerings, litigation and arbitration proceedings, for example. GCA understands this and focuses on the provision of pragmatic reports that focus on what's important, and how the solution / opinion was derived. That is what makes Gaffney, Cline & Associates unique.

