

# World Class Deepwater Experience

The companies presenting this seminar are all leaders in their respective fields. For example **J P Kenny** have been associated with more than half the deepwater developments in the world to date.

## J P KENNY

**J P Kenny** The world's largest and most innovative independent pipeline, subsea engineering and project management contractor. Active on 4 continents with offices in New Delhi, London, Kuala Lumpur, Jakarta, Perth, Houston, Melbourne, Abu Dhabi, Aberdeen and Stavanger.



**Infield** provides Worldwide Field Databases, OFFPEX Market Modelling & Forecasting System, Vessel Activity & Databases, Market Forecast Reports covering deepwater, floating production, fixed platforms, subsea, pipelines, control lines: GIS & Mapping, benchmarking, competitor analysis, research, market diligence, business strategy, analysis & modelling.



**FMC Technologies** is a leading manufacturer and supplier of subsea production systems and develops technologies that enable its customers to realize the full potential of their energy assets. In addition to subsea systems, the company provides surface wellhead systems, fluid control products, measurement systems, separation technology and floating production systems.

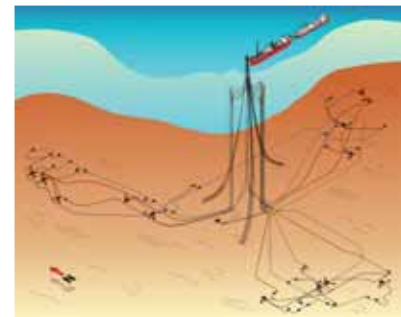


**Acergy** are a seabed-to-surface engineering and construction contractor for the offshore oil and gas industry. We plan, design and deliver complex, integrated projects in harsh and challenging environments. We operate internationally as one group - globally aware and locally sensitive, sharing our expertise and experience to create innovative solutions.

### Participation in the following Deepwater Projects:

Abadi	Garden Banks 22#2	Nansen
ACG 3	Genesis	Navajo
Arnold	Gorgon	Neptune
Aspen	Gunnison West	Nile
Atlantis	Hack Wilson	Petronius
Balboa	Holstein	Pluto
Bonga	Hoover	Red Hawk
Boomvang	Horn Mountain	Seventeen Hands
Boris	KG-D6	Shah Deniz 2
BP Angola Programme	Kikeh	Shenzi
Chinguetti	King	Stybarrow
Clov	King's Peak	Tahiti
Conger Well	Kizomba	Terang Sirasun
Constitution	Laminaria	Thunderhorse
Diana	Lost Ark	Tiof EPS
Dolphin Deep	Mad Dog	Triton
Durango	Madison	Troika
East Breaks	Malampaya	VK 826
East Cameron 374	Marshall	Vortex
Enfield	Merganser	West Seno
Garden Banks 197	Mickey/Mica	
Garden Banks 224	NaKika	

The BP Angola Development uses a standardised approach to enhance reliability & minimise cost & schedule. J P Kenny are the SURF Engineering Integration Contractor on this West African Development. The image below is typical of how the development scenario will ultimately evolve.



Sponsored by:

### J P KENNY (Wood Group India)

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J P Kenny is a Wood Group Company. Wood Group is an international energy services company with more than USD 2.5 billion annual sales, employing more than 20,000 worldwide and operating in 34 countries. Strategic partners within Wood Group include: Mustang Engineering, Alliance Engineering and MSI

# Delivering Deepwater Developments

A seminar of invited participants from some of the world's most experienced deepwater companies

Sahara Star, Domestic Airport,  
Vile Parle (East), Mumbai - 400 099



Deepwater Industry Market  
**Infield**

Deepwater Design  
**J P Kenny**

Deepwater Installation  
**Acergy**

Deepwater Subsea Systems  
**FMC Technologies**

## Deepwater Challenge

Shallow water production is in long term decline & there is a potential shortfall in oil supplies from 2015 (EIA forecast).

The number of worldwide deepwater developments in more than 500m is increasing. Studies by industry forecasters indicate that deepwater fields now account for more than 25% of Operator investment in offshore facilities and will increase to over 40% by the end of the decade.

After 2012, Indian offshore investment in infrastructure (total installed cost of platforms, pipelines, control systems, subsea production equipment including subsea development well drilling and completion) is forecast to be in the order of \$12.75bn which is an 80% increase over the previous five years (\$7bn, 03-07).

Deepwater development equates to 27% of this compared to less than 0.1% in the earlier period.

The challenge is to continue to build on local expertise to deliver and operate these facilities. There is a worldwide shortage of skilled people of all types. Furthermore subsea equipment manufacturing and installation capacity is fully employed at present. This seminar will summarise the current state of the art in deepwater projects and will provide a forum for addressing the deepwater challenges to be met in the Indian offshore arena.



## Delivering Deepwater Developments – 3rd March 2008

TIME	TOPIC	SPEAKER
<b>Session Chairman – Steve Wayman, CEO, J P Kenny Group</b>		
12.30 - 13.30	Registration & Buffet lunch	
13.30 - 13.50	Delivering Deepwater Developments	<b>David Jordan</b> - J P Kenny
13.50 - 14.10	Deepwater Indian Market	<b>Will Rowley</b> - INFIELD
14.10 - 14.30	Key Issues of Working in the Indian Offshore Market	<b>Raghu Banerjee</b> - J P Kenny
14.30 - 14.50	Selection of the Optimal Subsea System Configuration	<b>Richard Buckenham</b> - FMC Technologies
14.50 - 15.20	Coffee break	
<b>Session Chairman - Raghu Banerjee, Senior Vice President, J P Kenny</b>		
15.20 - 15.40	Design for Installation in the Indian Deepwater Market	<b>Bob Inglis</b> - J P Kenny
15.40 - 16.00	Applying the Technology and Lessons Learned from Deep Water Field Developments in West Africa to Projects Offshore India	<b>Marin Abelanet</b> - ACERGY
16.00 - 16.20	Deepwater Projects Challenges - SE Asia	<b>Elizabeth Lakey</b> - J P Kenny
16.20 - 16.40	Coffee Break	
16.40 - 17.00	<b>Summary &amp; Questions - Panel</b>	

