International Association of Oil & Gas Producers (IOGP)

Meeting with EUOAG

June 29th 2016
Promoting safe, responsible and sustainable exploration & production
Participants come from member companies and organizations, bringing with them a wide range of know-how, data and experience.

With support from IOGP’s secretariat, the work of the committees reaches a wider global audience through publications, events and an expanding media programme.
IOGP Environment Committee

Our key objectives
To co-ordinate and represent the E&P industry on environmental issues of international significance

Organisation
Main Committee, Sub-Committees on enduring environmental topics and subject-specific task forces

• Work programme
  • Environmental data collection
  • Environmental Management in Oil and Gas Production
  • Marine sound
  • Comparison of conventional versus unconventional E&P
  • New Technologies offshore
  • Drilling Waste management
  • Induced seismicity
  • Re-use of produced Water
  • Industry representation at OSPAR, BARCOM, IMO
IOGP Safety Committee

Our key objectives
The mission of the Safety Committee is to enhance the E&P industry position on safety issues of world-wide significance

Organisation
The Safety Committee oversees 11 sub-committees or task forces on subjects ranging from Aviation, Fabrication Yard construction safety and Human Factors.

• Work programme
  • Safety Data collection (Safety, Land Transportation, Process safety)
  • Human Factors
  • Diving Operations
  • Aviation
  • Land Transportation
  • Industry representation (IRF, EOUAG…)
IOGP Wells Expert Committee

Our key objectives
• The Well Experts Committee will be recognized as a global voice of the industry and a relevant authority on the management of well risks that pose the highest global threat to maintaining a license to operate.

Organisation
• The Wells Expert Committee oversees 4 sub-committees or task forces on subjects ranging from BOP Reliability to collecting and analysing well Control Incidents,

• Work programme
  • Well BOP reliability – JIP
  • Well Control Incidents – Analysis of well control incidents
  • Standardization (JIP 33) – Standard specs for X-mas trees, ball valves and LV switchgear
  • Well control training and competence
  • Collate standards for well construction, integrity and lifecycle management
  • Subsea Well Response Project (SWRP) Integration
Global data series: four major annual reports

Process safety: Tiers 1 & 2

Environment: Oil content of produced water discharged onshore

Health management: Self-assessment rated on a scale of 0-4

Occupational safety: Fatalities and fatal accident rate
Our reports are available to download from:

iogp.org/our-library

Good practices, recommendations, guidelines
Subsea Well Intervention Services (SWIS)
EULOAG Update – June 2016
Agenda

- Subsea Well Intervention Service Update – Matt Clements, SWIS Director
- Offset Installation Equipment – Eli Bohnsdalen, SWRP Project Manager
Oil Spill Response Ltd.

- Largest international industry funded cooperative
- Owned by major oil and gas production / transportation companies
- Train and respond effectively to incidents anywhere in the world
  - Surface oil spill response
  - Subsea oil spill response
What is SWIS?

MACONDO 2010

International Association of Oil and Gas Producers (IOGP) established Global Industry Response Group (GIRG).

Subsea Well Response Project (SWRP) created in 2011.

Oil Spill Response Limited (OSRL) identified as provider of choice.

OSRL establish Subsea Well Intervention Services (SWIS) division.
Capping Stacks/Subsea Intervention response Toolkits Services

Strategically located subsea well response equipment

(2x) SIRT:
• Debris Clearance
• Dispersant Application
• BOP Intervention

(2x) 10k CSS:
• 7” 10K Capping Stack Kits

(2x) 15k CSS:
• 18-3/4” 15K Capping Stack Kits
• Complete Subsea Response Kits

Stavanger
Singapore
South Africa
Brazil

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SWIS Bases

Norway

Saldanha – South Africa

Singapore

Angra Dos Reis – Brazil
Well capping – Well containment – Case of shallow Water wells
Global integrated system
Subsea Well Response Project - Enhancing International Well Intervention Capabilities

EUOAG June 29th
The industry working together

Global Industry Response Group

PREVENTION
OGP’s Wells Expert Committee
Well engineering design and well operations management

INTERVENTION
Subsea Well Response Project
- Design a capping stack system with a range of equipment to allow wells to be shut in
- Design a subsea incident response toolkit for the subsea injection of dispersant
- Assess and implement deployment options
- Complete studies to determine the feasibility of global containment systems

OIL SPILL RESPONSE
Joint Industry Project
Oil spill response preparedness and capability

MUTUAL AID
OGP Mutual Aid Framework
Guiding principles for initiating a mutual aid arrangement

Governments, regulators, NOIA, OSROs, contractors and industry initiatives
The OIE Concept Animation

The OIE Concept Animation can be found at the following link:

http://subseawellresponse.com/2014/06/24/video-oie-how-it-works/
CARRIER OVERVIEW

Overall length: 13.5m
Overall Height: 14m
Overall Width: 10.5m
Total Mass – 240 MT
Operating Water Depth 75m – 600m
Airfreightable
OIE Fabrication Progress
OIE Fabrication Progress cont...
OIE Commissioning Test
Training, Storage & Maintenance
SWRP Highlights & Final steps

- **Q1 2014**
  All Caps and SIRTs in storage locations ready for use

- **End 2014**
  First containment toolkit equipment ready for use

- **2015**
  All containment equipment stored at international locations

- **2015-2016**
  Construction and testing of OIE

- **2017**
  Delivery of OIE equipment scheduled

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2014

2017