



Society of Petroleum Engineers

22–24 March 2010 | Four Seasons Hotel | Doha, Qatar

Commissioning of Surface Facilities



Who Should Attend:

The workshop is aimed at oil and gas professionals with a stake-holding in the delivery of a successful project.

- Project disciplines charged with its successful delivery, design, planning, construction, commissioning, and project management.
- The asset holder– production operations, maintenance and monitoring groups.
- The support team– health, safety, environment and social responsibility specialists.

Committee Members

Cochairman:

Claude Lécluze
Total E&P Qatar

Cochairman:

Søren Christian Børsmose
Maersk Oil Qatar AS

Brett Doherty
RasGas

Emad Sultan
Kuwait Oil Company

Frank McAtamney
Maersk Oil Qatar AS

Hans Henrik Bech
Ramboll Oil & Gas Middle East

Khalid Taher
BAPCO

Mubarak A. Al-Hajri
Qatar Petroleum

Philippe Nocent
Total

Yousif Al-Tahan
Saudi Aramco

The necessity of a commissioning phase in the course of a project schedule is nowadays well understood. However, its scope is not always clearly shared by all project members. Each company and each project has a different definition of the commissioning activities with boundaries moving between construction and start-up phases.

Everybody agrees that a safe start-up is a common value of the commissioning activity. During its execution, part of the plant is usually still under construction, “Simultaneous Operations” safety practices will be applied to ensure a safe commissioning completion. All plant functionalities are fully tested during the commissioning phase with a rigorous methodology. This guarantees that all major plant systems will be operational when the real fluid will be introduced: successful and safe start-up can then be met.

A clear contractual strategy is a key issue to a successful commissioning and should be defined as part of the project execution plan, like any other steps. One choice could be to select a contractor to prepare and execute the commissioning activities, under the supervision of a reduced company management team. Another one is to leave the company completely in charge of commissioning. Most important is the definition of the transfer of responsibilities between commissioning and operations teams during the hand over period: by system, groups of systems, etc.

The management principles of the commissioning phase will first reflect the contractual strategies and then integrate the project sub-divisions (e.g. one commissioning leader per sub-project, on-shore, off-shore, etc.). Management organisation should be set to reflect the project specificities like brownfield project where a new facility has to be integrated within existing ones.

Various cases and experiences of project commissioning phases will be presented at this 2010 SPE Workshop. They will be chosen among traditional oil and gas production and treatment facilities which include LNG plants and refineries. Nonhydrocarbon facilities commissioning experiences will also be most welcome. Commissioning strategies will be shared allowing best practices to be highlighted. Project coordination, planning and commissioning progress follow-up tools will be presented and discussed.

General Information

Workshop Guidelines

Workshop Venue:

Four Seasons Hotel
The Corniche, P. O Box 24665
Doha, Qatar
Tel: +974.494.8888
Fax: +974.494.8282
website: www.fourseasons.com/doha

Format:

2 days of informal discussions prompted by selected keynote presentations and discussions. Workshops maximise the exchange of ideas among attendees and presenters through brief technical presentations followed by extended Q&A periods. Focused topics attract an informed audience eager to discuss issues critical to advancing both technology and best practices. The majority of the presentations are in the form of case studies, highlighting engineering achievements and lessons learned. In order to stimulate frank discussion, no proceedings are published and the press is not invited to attend.

Documentation:

- Proceedings will not be published; therefore, formal papers and handouts are not expected from speakers.
- Work in progress, new ideas, and interesting projects are sought.
- Professionally-prepared visual aids are not required; handwritten view graphs are entirely acceptable.
- Note-taking by participants is encouraged.

Poster Sessions:

The Steering Committee encourages registrations from professionals who are able to prepare and present a poster on a relevant project. For further details kindly contact Barbara Stahli, event manager at bstahli@spe.org.

Attendance:

Registrations will be accepted on a first-come first-served basis. The Steering Committee encourages attendance from those who can contribute to the workshop most effectively either in discussions or with posters. A mix of attendees in terms of geographic origin, companies and disciplines will be encouraged.

Workshop Deliverables:

- The Steering Committee will appoint a "scribe" to record the discussions and to produce the full Workshop Report for SPE.
- This report will be circulated to all attendees as the Workshop deliverable within 4-6 weeks following the Workshop. The copyright of the report is with SPE.
- PowerPoint presentation materials will be posted on a specific SPE URL address after the Workshop. Provision of the materials by the speakers will signify their permission for SPE to do so.

Commercialism:

In keeping with ATW objectives and the SPE mission, commercialism in posters or presentations will not be permitted. Company logos must be limited to the title slide and used only to indicate the affiliation of the presenter and others involved in the work.

Attendance Certificate:

All attendees will receive an attendance certificate attesting to their participation in the workshop. This certificate will be provided in exchange for a completed Workshop Questionnaire.

Continuing Education Units:

Attendees at this workshop qualify for SPE Continuing Education Units (CEU) at the rate of 0.1 CEU per hour of the Workshop.

Registration Information:

The fee includes the following:

- All workshop sessions
- Daily coffee breaks and luncheons
- Networking hour on 23 March 2010
- Workshop workbook

Note: Registration fee does NOT include hotel accommodation for attendees.

Workshop Registration Fee:

Before 22 January 2010: USD 1,450 for SPE Members	USD 1,550 for Nonmembers
After 22 January 2010: USD 1,850 for SPE Members	USD 1,950 for Nonmembers

Registration Policy:

- Registration fee MUST be paid in advance for attending the Applied Technology Workshop.
- Full fixed fee is charged regardless of the length of time that the registrant attends the workshop.
- Fixed fee cannot be prorated or reduced for anyone (Cochairpersons, committee members, speakers, discussion leaders, students, and registrants).
- Attendees are expected to attend all workshop sessions and are not permitted to attend on a partial basis.

Cancellation and Refund Policy:

- A processing fee of USD 100 will be charged for cancellations received before the registration deadline 22 February 2010.
- For cancellations received after the registration deadline, 22 February 2010, 25% refund will be made to the registrant.
- No refund on cancellations received within seven (7) days prior to the workshop date, i.e. on or after 15 March 2010.
- No refund will be issued if a registrant fails to attend the workshop.

Sponsorship Support

Sponsorship support helps offset the cost of producing workshops and allows SPE to keep the attendance price within reach of operations-level individuals, those who benefit most from these technical workshops.

Sponsors benefit both directly and indirectly by having their names associated with a specific workshop.

While SPE prohibits any type of commercialism within the conference hall itself, the society recognises that sponsoring companies offer valuable information to attendees outside the technical sessions.

Sponsorship Categories

Sponsorships are offered on a first come basis. Please contact SPE to verify the availability of a particular sponsorship. Existing sponsors have the opportunity to renew the same level of sponsorship for annual workshops.

The Available Sponsorship Packages are:

- Silver
- Workshop Coffee Breaks (1)
- Welcome Reception and Dinner Luncheon—Per Day
- Speaker Gifts
- Audio—Visual Equipment
- Stationary

Sponsorship Benefits

In addition to onsite recognition; SPE will recognise sponsors on the SPE website and in all printed material for the workshop. Based on the sponsorship selected, sponsoring companies also receive logo visibility on promotional workshop items.

For More Information

For a detailed list of available sponsorships, including benefits and pricing, contact Barbara Stahl, at bstahl@spe.org.

Workshop Sponsors

Gold Sponsor



ميرسك قطر للبترول
MAERSK OIL QATAR

Bronze Sponsor



إحدى شركات مؤسسة البترول الكويتية
Kuwait Oil Company
A Subsidiary of Kuwait Petroleum Corporation

Dinner Sponsor



قطر للبترول
Qatar Petroleum

Lanyards Sponsor



Coffee Break Sponsor



Tentative Technical Agenda

Monday, 22 March

1800–1900 hours Badge and Delegate Pack Collection.

Workshop Sessions:

Welcome Remarks: Sheikh Faisal Fahad Al-Thani

Tuesday, 23 March

0900–1230 hours

Session 1: What is Commissioning?

Commissioning covers activities required to take a project from the construction phase to the operating phase. In reality there is no universal interpretation of the boundaries between construction ready for commissioning and hand over to production operation.

Activities such as mechanical and electrical completion, pre-commissioning, pre-startup and hot commissioning are all related with a commissioning period. Commissioning is however a dynamic process where the activities and sequence hereof depends on project execution strategy and company and client expectations. The question is therefore: "What is commissioning?" Or in other words how are the boundaries and the activities in commissioning understood?

1400–1730 hours

Session 2: Goal: Safe Start-up – Safety, Cost and Time

A safe start-up of new facilities should be the main goal of the commissioning phase. Safety belongs to the spirit of the commissioning during the execution of the site tests while other parts of the plant are under construction. A rigorous commissioning methodology checks all functionalities of a new installation with air and water. The majority of technical issues are discovered during this phase and can be fixed in a non-hydrocarbon environment.

At start-up, introduction of actual fluids is then apprehended in a safe way and the few remaining tests will be performed on the equipment which needs hydrocarbon. The best insurance for the future operational team to get safety awareness is then to be part of the commissioning team.

1900 hours: Dinner

Wednesday, 24 March

0900–1230 hours

Session 3: Commissioning Management

The commissioning of a new oil and gas facility is a time of high risk. Many complex processes have to be executed simultaneously under time constraints; hence why many things can go wrong.

The challenge is big, especially for brownfield projects where a new facility has to be integrated with existing facilities that are often more than 25 years old.

The need for improved project coordination and control on contractor and project management consultant, by the plant's operations and controlling team, is imperative for successfully and safely achieving the commissioning requirements.

This session will set focus on the aspects around planning and management of the commissioning process. We will discuss management of the interface between pre-commissioning, mechanical completion and commissioning, and we will go through management aspects of commissioning, the handover to production, and initial start up of the new facility.

1400–1730 hours

Session 4: Commissioning Strategies

Commissioning activities start during FEED phase. This is when contract type and hand over principles are defined

1. Commissioning can be done by company or by contractor. In that case, company shall have a supervision team and contractor scope shall be clearly written in the call for tender.
2. Commissioning shall be organised, in order to be better managed: on-shore, off-shore, brownfield vs. greenfield, construction site 1, site 2, etc. Management schemes shall reflect these splits and contingency plans anticipated.
3. The other topic is the transfer of responsibilities when performing start-up activities while part of the plant is still under construction. What are the various actors roles and responsibilities?

This session is designed to share various experiences in the commissioning contractual strategy and hand over to operation.

REGISTRATION FORM

Commissioning of Surface Facilities

22-24 March 2010, Doha, Qatar

Important: Attendance is limited and is not guaranteed.
Early registration is recommended. Please print or type in black ink.

First Name/Forename _____ Middle Name _____

Last/Family Name _____ SPE Member? Yes No

Member No. _____ Job Title _____

Company/Organisation _____

Street or P.O. Box Number _____ City _____

State/Province _____ Zip/Postal Code _____ Country _____

Telephone _____ Facsimile _____

Email (required) _____

Applied Technology Workshop Fee: Before 22 January 2010 USD 1450.00 for SPE Members USD 1550.00 for Nonmembers
After 22 January 2010 USD 1850.00 for SPE Members USD 1950.00 for Nonmembers

Applied Technology Workshop Fee includes: workshop registration, technical sessions, workshop workbook, luncheons, coffee breaks, and networking hour.

Accommodations are NOT included in the workshop registration fee. However, an SPE rate has been negotiated with the Four Seasons Hotel, Doha, Qatar.

For more information on the hotel please visit www.fourseasons.com/doha

Credit Card (Check One): American Express MasterCard Visa

NO REFUNDS will be granted on cancellations after 15 March 2010.

Card Number (will be billed through Society of Petroleum Engineers)

Expiration Date (mm/yy)

Name of Credit Card Holder (printed) _____

Signature: (required) _____ Date _____

Please inform us of mobility or special dietary needs _____

Payment by Bank Transfer:
IMPORTANT - Please Quote "10ADOH" and Name of Delegate
Make Payment to:
HSBC Bank Middle East, Jebel Ali Branch, PO Box 66, Dubai, UAE
Account Name: SPE Middle East FZ-LLC
Account Number: 035-129709-100
Swift Code: BBMEAEAD

NOT AN SPE MEMBER?

**Join SPE Today for Two Years by Paying
USD 100 Only!
I would like to avail of this offer:**

Yes No

Cancellation and Refund Policy:

- A processing fee of USD 100 will be charged for cancellations received before the registration deadline 22 February 2010.
- For cancellations received after the registration deadline, 22 February 2010, 25% refund will be made to the registrant.
- No refund on cancellations received within seven (7) days prior to the workshop date, i.e. on or after 15 March 2010.
- No refund will be issued if a registrant fails to attend the workshop.

Registration form will not be processed without payment unless authorised by the event manager.

For questions or additional information contact: Barbara Stahli at bstahli@spe.org

To submit your registration online, please visit the SPE website at:
www.spe.org/events/10adoh.

Alternatively, you can email this form to: formsdubai@spe.org, or fax it to: +971.4.366.4648.