Integrated Hydrocarbon Production Optimisation & Planning

“AN INTERACTIVE, HANDS-ON WORKSHOP”

AMSTERDAM, THE NETHERLANDS
18-20 APRIL 2016
HOW TO INCREASE THE PRODUCTION, LOWER THE COST AND MAKE OPTIMUM USE OF THE AVAILABLE RESOURCES IN A SAFE WAY?

The Upstream Hydrocarbon Production industry is subject to economic laws, just like any other business. Fluctuating product value, ageing easy-accessible reservoirs and costly developments of new, less-accessible reservoirs, show us that optimising the Integrated Hydrocarbon Production System is of prime importance.

There are three elements to this optimisation:
1. Safety. Whatever is done to get that extra out, it must be done safely;
2. Produce as much as possible whilst aiming at the best Ultimate Recovery of the reservoirs with existing resources and economically attractive developments, by systematic de-bottlenecking of the facilities;
3. Drive the costs down by using better planning methodology to make optimum use of the available resources.

To achieve a thorough optimisation it may be clear that this is not merely achieved by opening the producing wells a bit more. Instead, we have to involve all disciplines that work on the above Asset to identify their respective optimisation improvements and work this into one Plan that fulfils all three optimisation aspects: Safety, Production, and Cost.

This is the SOGOS way forward to answer the question: How to increase the production, lower the cost and make optimum use of the available resources in a safe way?

Unique features
- Present your syndicate work to a panel of experts
- Hands-on optimisation & planning syndicate exercises
- Optimisation of production and cost
- Optimum use of resources
- Better identification of hazards through Integrated Activity Planning

Details
Location: Amsterdam
The Netherlands
Start: 18 April 2016
End: 20 April 2016
Duration: 3 days
Cost: EUR 2250,00
Type: hands-on workshop
Your Course Director

Hans Groote

- Over 30 years of experience as a Production Engineer Upstream with Shell International.
- He has working experience in oil / gas field & terminal operations, well completions, planning & programming. He has held the position of Offshore Installation Manager in the British sector of the North Sea when the recommendations of Lord Cullen were being implemented (1990-1993).
- Hans is an expert in Production Planning & Offtake scheduling. He has been member of Integrated Activity Planning teams in the Far East.

Day 1

**Introduction to Integrated Hydrocarbon Production System Optimisation (IHPSO).**
This half day introduction gives an awareness of the objective of-, and the techniques used in IHPSO.

Main topics in this module are:
1. Identify the present Integrated Hydrocarbon Production System and its limitations ("Brown Paper Exercise")
2. Limit diagrams explained
3. Proper ways to conduct a Brainstorm
4. Ranking results

**Introduction to Integrated Activity Planning (IAP).**
This half day introduction gives an awareness of the objective of-, and the techniques used in IAP.

Main topic of this module are:
1. Planning horizons
2. Planning cascades (down as well as up)
3. Functional Plans and Integrated Plans
4. How Plans are realistically optimised

Day 2

**Workshop Integrated Hydrocarbon Production System Optimisation.**
This one day workshop gives a knowledge base of Optimisation through hands-on syndicate work on a scenario. The participants will report the outcome of their team effort in a final presentation on day 3. Presentations will be given to a panel of Senior Experts.

*In view of the scenario exercises there will be essential course pre-reading involved.*

Day 3

**Workshop Integrated Activity Planning.**
This one day workshop gives a knowledge base of Planning through hands-on syndicate work on a scenario. Results will be presented to-, and discussed with a panel of Senior Experts in the afternoon of day 3.

*In view of the scenario exercises there will be essential course pre-reading involved.*
Who should attend

The integrated nature of this course asks for a wide array of disciplines that will benefit from this course. The benefit is two-fold: firstly, participants gain insight in optimisation challenges in their own discipline, and also they will gain understanding of the optimisation needs of other disciplines and work together towards the best solution.

Hence, this course is meant for:

- Reservoir Engineers
- Petroleum Technologists
- Drilling Engineers
- Production Engineers & Planners
- Maintenance Engineers
- Logistic planners
- Sales and Scheduling staff

Course Objectives

Candidates for this course need to have an awareness of the Upstream Integrated Hydrocarbon Production System before joining this course. By the end of this course the participants will have gained knowledge of Optimisation Techniques and Integrated Activity Planning.

Apart from the knowledge to be gained, the participants will get "hands-on" experience with case study and syndicate team exercises in carrying out Optimisation and Planning scenarios. They will broaden their competence in multi-disciplinary communication, enabling them to prioritise the actions from which the Integrated Hydrocarbon Production System benefits mostly, rather than only those required by their own discipline.

Beside Optimisation and Integrated Planning the participants will learn about Planning Control (feedback and feedforward on the planning cascade) and Planning Quality Control (the proper use of KPI’s and CSF’s).

The course is focused on applicability in the own sphere of work of the participants, so that their operations can directly benefit from the competence, gained in this course.

The course does not train participants in the use of specific (Integrated-) Planning software packages.

Our Objectives

The SOGOS Academy objectives are fourfold, deliver a high quality learning event, use methods and techniques to ensure maximize learning, meet participant expectations and ensure that employer will benefit from the competence gained.
Panel of experts

The syndicate exercises of day 2 and 3 are based on a virtual operation which requires both optimisation and merging of Functional Plans into one Integrated Activity Plan. Each participant will play a Functional role in the scenario and, as a group, they will work towards optimisation of the Integrated Hydrocarbon Production System as well as the Integrated Activity Plan. Their results will be presented to, and discussed with a panel of Senior Experts in the afternoon of day 3. Your experts are:

**Hans Groote - Production Operations**
- Over 30 years of experience as a Production Engineer Upstream with Shell International.
- Hans worked in the Oil & Gas Exploration and Production industry in Europe, Africa the Middle East and the Far East since 1973.
- He has working experience in oil / gas field & terminal operations, well completions, planning & programming.
- Hans is an expert in Production Planning & Offtake scheduling. He has been member of Integrated Activity Planning teams in the Far East.
- Present Hans is actively involved with skills training and competency assurance with Shell International Learning & Development

**Dick van der Woude - Production Operations**
- Over 40 years worldwide experience with Shell International in oil- and gas Production Operations.
- Dick worked in various line- and staff functions and finally as head Production-Operations of the Groningen-Gas-field.
- He has extensive knowledge of on- and offshore gas-field facilities, pipeline systems and gas- and oil terminals. Has participated worldwide in safety- and pre-start-up audits and reviews.
- From 2000 Senior Consultant specialised in oil-and gas projects as operations liaison and senior OR&A in the feasibility, conceptional - detailed - and startup phases of major projects.

**Piet Knollema - Project Management**
- Over 40 years worldwide experience with Shell International Upstream and Downstream in mainly Project Management and Operation (on- and offshore).
- His working experience is in sequence: Operations - Plant Manager, Design - Design Manager, Construction - Construction Manager / Site Manager, Project Management - Project Manager (main part of expertise)
- Piet worked in various management functions and has a lot of experience in operation, construction and especially project management of large projects (over Euro 100 million). Further for three years Location Manager in the potato starch industry.
- From 2004 Best Practice Consultant specialised in Coaching various Project Teams worldwide to implement Contract Compliance systems including the related management documents. Skills Assessment for the skill group Project Management for various Oil and Gas companies (e.g. Petronas, SONANGOL).
Training location

Enjoy the historical and vibrant City of Amsterdam.
The workshop will take place in Amsterdam. From the training venue it is only 15
minutes to the historical centre of Amsterdam. Visit one of the many museums,
such as the Van- Gogh or Rijksmuseum. Cruise through Amsterdam’s famous
canals or dine and enjoy the vibrant nightlife. Did you know that the last two
weeks of April are the best to see the tulips bloom?

Certificate

Upon completion, all participants will receive a certificate of attendance and in
addition also the training documents including written feedback from panel of
experts.

Registration

There are 3 easy ways to register:
1. Call with our office +31 524 552 616
2. Email your name and telephone number to administration@sogosacademy.com
3. Visit our website and sign up http://www.sogosacademy.com/courses/business/
   integrated-hydrocarbon-production-optimisation-planning/

Private in-house course

Do you have multiple participants? Arrange a private in-house training course for
your organisation. The benefits of a private course: optimize your training budget
and reduced travel expenses, schedule training when and where you want and
have training materials tailored to your learning objectives.

If you are interested in a private in-house course, please send us an email
at administration@sogosacademy.com or call us on +31 (0) 524 552 616.

About SOGOS

SOGOS is a knowledge centre for the International Oil and Gas Industry.
We deliver customized training, bespoke competence management
services and provide high calibre consultancy support.

“Specialists in Oil & Gas Operations Support since 1996”
All trainers and consultants working through SOGOS obtained their expertise
and professional skills during many years of employment in senior and
managerial positions of leading operating companies. They speak the oil and
gas field language.

SOGOS is a subsidiary of the Well Engineering Partners Holding Group (WEP),
which consist out of 6 companies. All companies support and complement each
other to create and deliver high quality services, innovative cost saving products
and bespoke solutions. All in a safe manner.

WEP Group Services & Specialties: drilling and well engineering services,
drilling solutions, technology and applications, downhole composite tubulars,
human process control software, geothermal integrated project management,
E&P technical and management consulting services, oil and gas training and
competency management services.