



Lifecycle Well Integrity

“AN INTERACTIVE TECHNICAL COURSE”

AMSTERDAM, THE NETHERLANDS
5-7 OCTOBER 2016

SOGOS
ACADEMY

www.sogosacademy.com



PEOPLE & COMPETENCE

“The entire process must be clear, understood and fully supported by all the process owners.”



Unique features

- Optimise lifecycle costs
- Better indication of risks
- Optimise production
- Panel discussions

Details

Location: Amsterdam,
The Netherlands
Start: 5 October 2016
End: 7 October 2016
Duration: 3 days
Cost: EUR 2250,00

Type: Interactive technical course

WILL THE WELL BE SAFE OVER ITS ENTIRE LIFE? WHAT IS NECESSARY TO GUARANTEE THIS?

Well integrity is of prime importance in managing the risk of losing containment. Guarantee the wells operating envelope is kept within the well technical specifications. Minimising the risk of uncontrolled well releases, hence exposure to people and environment during production, activities and in particular well interventions.

Hence the important questions to be answered by the well owner and its staff are:

- Will the well be safe over its entire life?
- What is necessary to guarantee this?

Everything should fit together, from planning to execution by applying technical, operational and organisational solutions to minimise the risk of an uncontrolled release of well fluids throughout the wells life. The entire process must be clear, understood and fully supported by all the process owners.

Course modules

- The course is split in several smaller modules following the wells lifecycle:
- Well Integrity during the drilling phase
- Well Integrity during production
- Well Integrity during maintenance and repair
- Well Integrity during the abandonment phase

“The participants will be stimulated to actively participate and bring examples and questions from their daily work.”



Henny Cornelissen

Well & Drilling Engineer with more than 35 years' experience in the upstream oil & gas industry, having worked for a variety of companies including major operators such as Shell and service companies such as Deutag



Antoon Oonk

Surface and subsurface production specialist with more than 35 years' experience with Shell International.

Your course directors

Based on their experience, the trainers will give the participants a clear picture what is involved in establishing and maintaining Well Integrity.

Covering various facets of well integrity, such as accountability/responsibility, well operating processes, well service processes, tubing/annulus integrity, tree/wellhead integrity and testing of safety systems.

The participants will be stimulated to actively participate and bring examples and questions from their daily work.

Course modules

This course will deal with the lifecycle of the well which involves the following items in understanding and “working” with Well Integrity:

- What is well integrity
- How is well integrity established
- How is well integrity maintained
- What is at stake when well integrity is lost
- How to rectify 'poor' well integrity

Who should attend

This course is for all professionals working in the oil & gas industry, who are dealing with wells. But is specially recommended for well and drilling engineers, completion and production engineers, well maintenance and intervention engineers.

“ Training delivered in clear and articulate manner, eliminating doubts and misunderstandings”



Day 1.

AM into PM session

Well Integrity during construction
Elements effecting and contributing to it

1. Formation strengths and effect on casing design
2. Function and effect on well integrity of:
 - a) Conductor
 - b) Surface casing
 - c) Intermediate casing
 - d) Liner
 - e) Cementation
3. Casing design - How do we cater for well integrity
4. Pressure rating of pressure containing equipment and testing (BOP's)
5. Maximum Allowable Annular Surface Pressure
6. Effect of wear

Day 2.

AM session

Well Integrity during production
Elements effecting and contributing to it

1. Load cases during production
 - a) 1. Pressure profiles
 - b) 2. Temperature profiles
 - c) 3. Type of tubing/casing connections
2. Types of wells (natural gas/oil; artificial lift well etc.)
3. Pressure rating of pressure containing equipment and testing (the wellhead)
4. Maximum Allowable Annular Surface Pressure
5. Integrity points, equipment related
6. Annular contents
7. Corrosion influencing Casing/tubing strength (material, types of corrosion, prevention)
8. Wear influencing Casing/tubing strength (site/timing/modelling/controlling/ designing around/monitoring wear)
9. Fatigue influencing Casing/tubing strength
10. Surveying / maintenance plans, both internal and external
11. Corrosion Management

“Well integrity is of prime importance in managing the risk of losing containment”

Day 2.

AM into PM session

Well Integrity during maintenance and repair Elements effecting and contributing to it

Day 3.

AM session

Well Integrity during maintenance and repair Elements effecting and contributing to it

Day 3.

PM session

Well Integrity during abandonment phase

1. A well entry; wireline, workover etc.
2. Production Casing (production phase)
3. Pressure rating of pressure containing equipment and testing (temporarily BOP's)

4. Wellhead integrity points
5. Casing/tubing strength during activities
6. Well Integrity and fault finding / re-establishing integrity
7. Maximum Allowable Annular Surface Pressure understanding explained

1. Establish Well Integrity status during every step in the process
2. Corrosion influencing Casing/tubing strength (material, types of corrosion, prevention)
3. Wear influencing Casing/tubing strength (site/timing/modelling/controlling/designing around/monitoring wear)
4. Casing/tubing strength during activities (plug setting, pumping, squeezing etc)
5. Wellhead integrity points
6. Integer situation after abandonment

“Experienced trainers who share their experience filled with examples.”



Course directors

Henny Cornelissen is a Well & Drilling Engineer with more than 35 years' experience in the upstream oil & gas industry, having worked for a variety of companies including major operators such as Shell and service companies such as Deutag.

He has an extensive experience and knowledge of well and drilling engineering gained through a variety of positions starting from well site engineer to drilling and operations manager. He has worked in the Middle East, North Sea area and continental Europe. For the last 10 years he has worked as a consultant and since 5 years Henny is co-owner and director operations of Well Engineering Partners (WEP) a company specialized in well and drilling engineering and managing director of SOGOS Consultants. Henny has a long standing experience in providing training on all sorts of well and drilling aspects and has developed distance learning packages.



Henny Cornelissen

Antoon Oonk has some 35 years plus of experience with Shell International. Antoon started his career with Shell as a marine engineer and after a number of years he switched to Shell E&P and worked in Europe, the Middle East and the Far East since 1980.

During these years he gained extensive experience in both surface as well as subsurface production operations, and as well on as offshore.

Though his main expertise lies within the subsurface production operations era; like well interventions (the broader picture), completions, exploration well testing, production enhancements etc.

Since a number of years he regularly teaches on these subjects at some Shell International Learning & Development courses and as such is also actively involved with skills training in Shell's online environment, for young production and well intervention engineers.



Antoon Oonk

“Visit one of the many museums, such as the Van- Gogh or Rijksmuseum.”



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.

Our objectives

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

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Sogos Consultants B.V.
Toldijk 17-19, 7901 TA, Hoogeveen
The Netherlands

C of C 04051534
VAT NL 8077,70,383,B01

+31 (0)524 55 26 16
general@sogosconsultants.com
www.sogosacademy.com

Training location

Enjoy the historical and vibrant City of Amsterdam. The workshop will take place in 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.

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”

SOGOS is a subsidiary of
Well Engineering Partners Holding Group

