

Decommissioning of Oil and Gas Structures

TRAINING COURSE:

Gain a detailed understanding of Decommissioning of Oil and Gas Structures – From problem solving, technical innovation, disposal of waste and health & safety issues.

**5 Part
Series**

LIVE ONLINE TRAINING

**June
2022**

Part 1: 20th June | Part 2: 21st June | Part 3: 22nd June | Part 4: 23rd June | Part 5: 24th June

Course Parts will commence at **14:00** and end at **18:00 (AWST)**. There will be short breaks during each course Part.

FACE TO FACE TRAINING 7 – 9 December 2022 • Perth

KEY LEARNING OBJECTIVES

- ▶ Understand the key enabling processes that must be considered within a decommissioning strategy.
- ▶ Be aware of relevant legislation and how this might impact from a compliance perspective.
- ▶ Be able to assess various decision making strategies.
- ▶ Know the project management components that are involved and why they are important.
- ▶ Become familiar with stakeholder engagement and communication initiatives and plans.
- ▶ Gain a greater insight into the technological innovation requirements of the decommissioning process.
- ▶ Be able to evaluate various disposal methodologies from a strategic perspective.
- ▶ Understand the key issues involved within waste management and disposal.
- ▶ Gain insight into managing and optimising the decom supply chain.
- ▶ Become familiar with the environmental aspect of decommissioning and understand the critical issues.



Our Expert Course Instructor



Christopher Lennon

Director, **Stone Falcon Corporate and Legal Consulting Ltd**

Christopher Lennon is the Director of Stone Falcon Corporate and Legal Consulting Ltd – a company that works internationally based in Scotland, UK. Chris has 30 years' experience within the oil, gas and power industry, specialising in contractual issues, commercial negotiation and dispute resolution.

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ABOUT THE COURSE

The International Oil and Gas industry faces a growing challenge throughout the world – from South East Asia, to the harsh environment of the North Sea, to the Gulf of Mexico, aging infrastructure and fields that are coming to end of life need to be decommissioned. This poses a myriad of challenges – from problem solving, technical innovation, disposal of waste; health and safety to environmental issues – the scope is huge and so too, is the likely cost. Decommissioning is much more than simple reverse engineering.

All of the above are factors that have to be planned for. As such there is a significant strategic element to the decommissioning process, as there are always a number of potential options and alternatives to consider – ranging from complete to partial removal; deep water disposal; the creation of artificial reefs and marine habitats; to removal to shore for dismantling and disposal, or the possible reuse for things such as wind turbine platforms – all have both time and cost implications. There are a multitude of stakeholders to engage with and manage, not to mention close scrutiny by the media, the public and government institutions and bodies.

This programme has been specifically designed to provide the delegate with a holistic understanding of the process of decommissioning and to create immediate added value to the delegate in terms of knowledge and ideas that can be implemented post course. The emphasis is on open dialogue, class exercises and problem solving throughout. Case studies are examined and discussed.

COURSE INSTRUCTOR



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Scotland, UK. Chris has 30 years' experience within the oil, gas and power industry, specialising in contractual issues, commercial negotiation and dispute resolution.

He is empanelled as both an Arbitrator and a Mediator at the Asian International Arbitration Centre (AIAC); has the Freedom of the City of London; is a Fellow of the Chartered Institute of Arbitrators and a member of the Association of International Petroleum Negotiators. He holds an MBA and LLB from the University of Aberdeen, as well as the Chartered Institute of Arbitrators DipICarb. He has over 20 years teaching experience within the field of international contracts and commercial negotiation – teaching and consulting around the world to a diverse clientele. He is currently under contract to write his second business book - commercial negotiation with Routledge/Taylor and Francis – to be published next year.

WHO WILL BENEFIT

- Asset Management Professionals
- Project Managers & Engineers
- Supply Chain Managers
- Operation Managers
- Governance Managers
- Facilities Engineers
- Structure Engineers
- Asset Integrity Professionals
- Regulators
- HSE Managers

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Course Outline

UNDERSTANDING THE 'KEY ENABLERS' FOR DECOM

- Transitional management capability – the 'operational' to 'decommissioning' interface.
- Understanding decom requirements and time horizons for project.
- Categorising decom operational phases – what needs to continue to operate/what needs to be adapted or modified during/for decommissioning; what can be removed immediately/shutting down of redundant systems.
- Identifying 'commonality' from the project perspective (document control/management; change order processes).
- Financial capability – affordability/ funding.
- Regulatory compliance.
- Managing the 'transition phase' from operations to CoP
- The facility itself – design/location
- Site restoration/ clean up (if applicable)
- Physical dismantling and removal

LEGISLATION

- The IMO
- The London Convention
- OSPAR
- UNCLOS
- MARPOL

DECOM DECISION MAKING STRATEGIES

- Geographical location – water depth/weather
- Supporting infrastructure
- Benchmarking
- Due diligence process
- **CLASS EXERCISE**
- Risk/uncertainty assessment

PROJECT MANAGEMENT OF DECOM

- Decommissioning is not simply reverse engineering
- Preparation and planning
- Defining pre and post operation activities
- The decom project scope
- **CLASS EXERCISE**
- Optimising people and resources
- Close out/handover
- Knowledge management – capturing 'lessons learned'

STAKEHOLDER ENGAGEMENT, COMMUNICATION AND MANAGEMENT

- Identification and classification of stakeholders
- The stakeholder communication plan – the supreme importance of keeping stakeholders informed

• CLASS EXERCISE

- Aligning competing positions/interests
- **CASE STUDY: The Brent Spar Case**

TECHNOLOGY INNOVATION – A DECOM ENABLER?

- Enhanced safety management/practices
- Early innovation adoption – benefits assessment
- Tackling facility specific problems utilising innovative technology
- Identification/ assessment of benefit through R&D initiatives
- <https://www.arup.com/news-and-events/report-identifies-new-innovation-guidance-for-north-sea-decommissioning>
- **CASE STUDY:** <https://www.youtube.com/watch?v=bBXilUSCrLo>

DISPOSAL – GENERATING AND ASSESSING OPTIONS

- Partial/complete removal
- Deep water disposal – Reef/ marine habitat creation?
- Towed to dry dock for cutting up
- Other potential uses in situ or elsewhere?
- **CLASS EXERCISE**

MATERIAL DISPOSAL AND WASTE MANAGEMENT

- Waste management/waste management options (i.e., reuse or recycle? Any acceptance criteria that must be met?)
- Any decontamination – early identification of potentially hazardous waste
- Managing waste inventory
- Infrastructure for handling/transportation/ interim storage
- On-site capability?
- Assessment of supply chain requirements/capabilities
- Decommissioning logistics

OPTIMISING THE DECOM SUPPLY CHAIN

- Form of contract to be utilised for decommissioning
- Risk sharing
- Performance related incentives and LDC's/EOT's related to the contract

THE ENVIRONMENTAL DIMENSION

- <https://www.youtube.com/watch?v=N2NpA1bBRLw>
- Engagement with Environmental Regulators
- Environmental Impact Assessments (EIA's)
- Dealing with Asbestos and other hazardous material/ substances
- Strategies for minimising the potential for environmental damage

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Easy Ways to Register

1 Web
www.informa.com.au/decommissioningoilandgas

2 Telephone
+61 (0) 2 9080 4032

3 Email
training@informa.com.au

Decommissioning of Oil and Gas Structures - Live Online Training

Course Code	Location	Course Parts	Month	Standard Price		4+ Dels Discount
P22GR16V	Live Online Training	All 5 Parts	June 2022	\$2,895 + \$289.50 GST	\$3,184.50	Great Savings: When you book 4 or more participants! Call us today on +61 (0) 2 9080 4032 or email training@informa.com.au to take advantage of the discount offer.

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Decommissioning of Oil and Gas Structures - Face to Face Training

Course Codes	Location	Course Dates	Early Bird price valid until 18 Nov 22		Standard price valid after 18 Nov 22		4+ Dels Discount	
P22GR16PE	Perth	7 – 9 December 2022	\$3,695 + \$369.5 GST	\$4,064.50	\$3,795 + \$379.5 GST	\$4,174.50	\$2,956 + \$295.60 GST	\$3,251.60

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Speak with **Anton Long** on **+61 481 995 653** to discuss your customised learning solution, or email training@informa.com.au