

COURSE OVERVIEW PM0152-3D
Megaprojects - Concepts, Strategies & Practices for Success

Course Title

Megaprojects - Concepts, Strategies & Practices for Success

Course Date/Venue

August 19-21, 2024/Fujairah Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE

Course Reference

PM0152-3D

Course Duration/Credits

Three days/1.8 CEUs/18 PDHs



Course Description



This practical and highly-interactive course includes various practical sessions and exercises. Theory learnt will be applied using our state-of-the-art simulators.



This course is designed to provide participants with a detailed and up-to-date overview of Megaprojects in the Oil & Gas Industry - Concepts, Strategies, and Practices for Success. It covers the global impact of oil and gas on economies and geopolitics; what constitutes a megaproject focusing on scale, complexity and financial thresholds; the various steps for starting a megaproject including stakeholder analysis and strategic intent; and the techniques for conducting feasibility studies and initial risk assessments.



Further, the course will also cover the financial modeling including decision-making processes and criteria for investment approval; the regulatory and environmental considerations, stakeholder management and project management methodologies; the risk identification, assessment and mitigation in megaprojects; the use of advanced tools for risk management including quantitative risk analysis; managing the supply chain for megaprojects; and the innovations in drilling, extraction and processing technologies.

During this interactive course, participants will learn the best practices for assembling and managing large, diverse project teams; the leadership styles and quality assurance and control; the project monitoring and control systems and health, safety, and environment (HSE); the effective contract management to prevent disputes and ensure compliance; the performance evaluation and reporting; and the processes and practices for successful project closure and handover to operations.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Apply and gain an in-depth knowledge on megaprojects in the oil & gas industry
- Discuss the global impact of oil and gas on economies and geopolitics
- Explain what constitutes a megaproject focusing on scale, complexity and financial thresholds
- Carryout various steps for starting a megaproject including stakeholder analysis and strategic intent
- Employ techniques for conducting feasibility studies and initial risk assessments
- Illustrate financial modeling including decision-making processes and criteria for investment approval
- Discuss regulatory and environmental considerations and apply stakeholder management and project management methodologies
- Carryout risk identification, assessment and mitigation in megaprojects and use advanced tools for risk management including quantitative risk analysis
- Manage the supply chain for megaprojects and discuss the innovations in drilling, extraction and processing technologies
- Implement best practices for assembling and managing large, diverse project teams including leadership styles and quality assurance and control
- Apply project monitoring and control systems and discuss health, safety, and environment (HSE)
- Carryout effective contract management to prevent disputes and ensure compliance
- Apply performance evaluation and reporting as well as processes and practices for successful project closure and handover to operations

Exclusive Smart Training Kit - H-STK®




Participants of this course will receive the exclusive “Haward Smart Training Kit” (H-STK®). The H-STK® consists of a comprehensive set of technical content which includes **electronic version** of the course materials, sample video clips of the instructor’s actual lectures & practical sessions during the course conveniently saved in a **Tablet PC**.

Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours.

Certificate Accreditations


Certificates are accredited by the following international accreditation organizations: -

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The International Accreditors for Continuing Education and Training (IACET - USA)

Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units (CEUs)** in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **1.8 CEUs** (Continuing Education Units) or **18 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

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British Accreditation Council (BAC)

Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

Course Fee

US\$ 3,750 per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:



Dr. Chris Le Roux, PhD, MSc, BSc, PMI-PMP, PMI-CAPM is a **Senior Project & Management Consultant** with over **45 years** of teaching, training and industrial experience. His expertise lies extensively in the areas of **Project & Contracts Management Skills, Project & Construction Management, Project Planning, Scheduling & Control, Project Management, Project Delivery & Governance Framework, Project Management Practices, Project Management Disciplines, Project Risk Management, Risk Identification Tools & Techniques, Project Life Cycle, Project Stakeholder & Governance, Project Management Processes, Project Integration Management, Project Management Plan, Project Work Monitoring & Control, Project Scope Management, Project Time Management, Project Cost Management, Project Quality Management, Quality Assurance, Project Human Resource Management, Project Communications Management, Contract Management, Tender Development, Contract Standards & Laws, Dispute Resolution & Risk Identification, Myers-Briggs Type Indicator (MBTI), Organization Development Consultation, Advanced Debriefing of Emotional Trauma, Interpersonal Motivation, Model Based Interviewing, Leadership Orientation Programme, Coaching & Motivation, Creative Thinking & Problem-Solving Techniques, Emotional Intelligence, Presentation Skills, Communication & Interpersonal Skills, Effective Communication & Influencing Skills, Effective Business Writing Skills, Writing Business Documents, Business Writing (Memo & Report Writing), Leadership & Team Building, Psychology of Leadership, Interpersonal Skills & Teamwork, Coaching & Mentoring, Innovation & Creativity, Office Management & Administration Skills, Controlling Your Time & Managing Stress, Crisis Management, Strategic Human Resources Management, Change Management, Negotiation Skills, Strategic Planning, Risk Analysis & Risk Management, Global Diverse & Virtual Teams Operation, Exceeding Customer Expectations, Corporate Governance Best Practice, Business Performance Management & Improvement, Building Environment of Trust & Commitment, Win-Win Negotiation Strategies, Quality Improvement & Resource Optimization, Neuro Linguistic Programming (NLP), Personal Resilience Developing, Effective Role Modelling & Development, Managing Dynamic Work Environments, Organizational Development, Career Management, Situation & Behaviour Analysis, Interpersonal Motivation Skills, Inventory Management and Financial Administration. Further, he is also well-versed in Water Supply System Security, Vulnerability & Terrorism, Integrated Security Systems, Incident Threat Characterization & Analysis, Physical Security Systems, Security Crisis, Security Emergency Plan, Command & Control System, Preventive Actions and Situation Analysis. He was the **Psychologist & Project Manager** wherein he was responsible in the project management and private psychology practices.**

During his career life, Dr. Le Roux has gained his academic and field experience through his various significant positions and dedication as the **Director, Medico Legal Assessor Psychologist, Training & Development General Manager, Project Manager, Account Manager, Commercial Sales Manager, Manager, Sales Engineer, Project Specialist, Psychology Practitioner, Senior HR Consultant, Senior Lecturer, Senior Consultant/Trainer, Business Consultant, Assistant Chief Education Specialist, ASI Coordinator, Part-time Lecturer/Trainer, PMP & Scrum Trainer, Assessor & Moderator, Team Leader, Departmental Head, Technical Instructor/Qualifying Technician, Apprentice Electrician: Signals and Part-Time Electrician** from various companies and universities such as the South African Railway (SAR), Department of Education & Culture, **ESKOM**, Logistic Technologies (Pty. Ltd), Human Development: Consulting Psychologies (HDCEP) & IFS, Mincon, Eagle Support Africa, Sprout Consulting, UKZN, Grey Campus, Classis Seminars, CBM Training, just to name a few.

Dr. Le Roux has a **PhD in Commerce Major in Leadership in Performance & Change**, a **Master's degree in Human Resource Management**, a **Bachelor's degree (with Honours) in Industrial Psychology**, a National Higher Diploma and a National Technical Diploma in **Electrical & Mechanical Engineering**. Further, he is a **Certified Project Management Professional (PMI-PMP)**, a **Certified Associate in Project Management (PMI-CAPM)**, a **Certified Scrum Master Trainer** by the VMedu, a **Certified Instructor/Trainer** and a **Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership & Management (ILM)**. Moreover, he is a **Registered Industrial Psychologist** by the Health Professions Council of South Africa (HPCSA), a **Registered Educator** by the South African Council for Educators (SACE) and a **Registered Facilitator, Assessor & Moderator** with Education, Training and Development Practices (ETDP) SETA. He has further delivered numerous trainings, courses, seminars, conferences and workshops globally.

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures
- 20% Practical Workshops & Work Presentations
- 30% Hands-on Practical Exercises & Case Studies
- 20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the workshop for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1: Monday, 19th of August 2024

0730 – 0800	Registration & Coffee
0800 – 0815	Welcome & Introduction
0815 – 0830	PRE-TEST
0830 – 0930	Introduction to Megaprojects in the Oil & Gas Industry Oil and Gas Industry's Value Chain, from Upstream to Downstream • The Global Impact of Oil and Gas on Economies and Geopolitics • Explanation of what Constitutes a Megaproject, Focusing on Scale, Complexity, and Financial Thresholds • Examples of Notable Megaprojects in the Oil and Gas Sector
0930 – 0945	Break
0945 – 1100	Project Initiation & Feasibility Steps for Starting a Megaproject, including Stakeholder Analysis and Strategic Intent • Techniques for Conducting Feasibility Studies and Initial Risk Assessments
1100 – 1215	Financial Modeling & Investment Decision Making Key Considerations in Financial Modeling for Oil and Gas Megaprojects • Decision-Making Processes and Criteria for Investment Approval
1215 – 1230	Break
1230 – 1330	Regulatory & Environmental Considerations Overview of Global and Local Regulatory Frameworks • Environmental Impact Assessments and Sustainability Practices
1330 – 1420	Stakeholder Management Identifying and Managing Different Stakeholder Groups • Strategies for Effective Communication and Engagement
1420 – 1430	Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow
1430	Lunch & End of Day One

Day 2: Tuesday, 20th of August 2024

0730 – 0830	Project Management Methodologies Various Project Management Frameworks Suitable for Megaprojects • Adaptation of Agile and Traditional PM Methodologies to Large-Scale Projects
0830 – 0930	Risk Management Detailed Approaches to Risk Identification, Assessment, and Mitigation in Megaprojects • Use of Advanced Tools for risk Management, including Quantitative Risk Analysis
0930 – 0945	Break
0945 – 1100	Supply Chain & Logistics Challenges and Strategies in Managing the Supply Chain for Megaprojects • Case Studies on Logistics Planning and Execution in Remote or Challenging Environments
1100 – 1215	Technology & Innovation Role of Technology in Enhancing Project Outcomes • Innovations in Drilling, Extraction and Processing Technologies
1215 – 1230	Break
1230 – 1330	Human Resources & Team Leadership Best Practices for Assembling and Managing Large, Diverse Project Teams • Leadership Styles and their Impact on Project Success
1330 – 1420	Quality Assurance & Control Importance of QA/QC in Project Execution • Systems and Procedures to Ensure Quality in Construction and Operations
1420 – 1430	Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow
1430	Lunch & End of Day Two

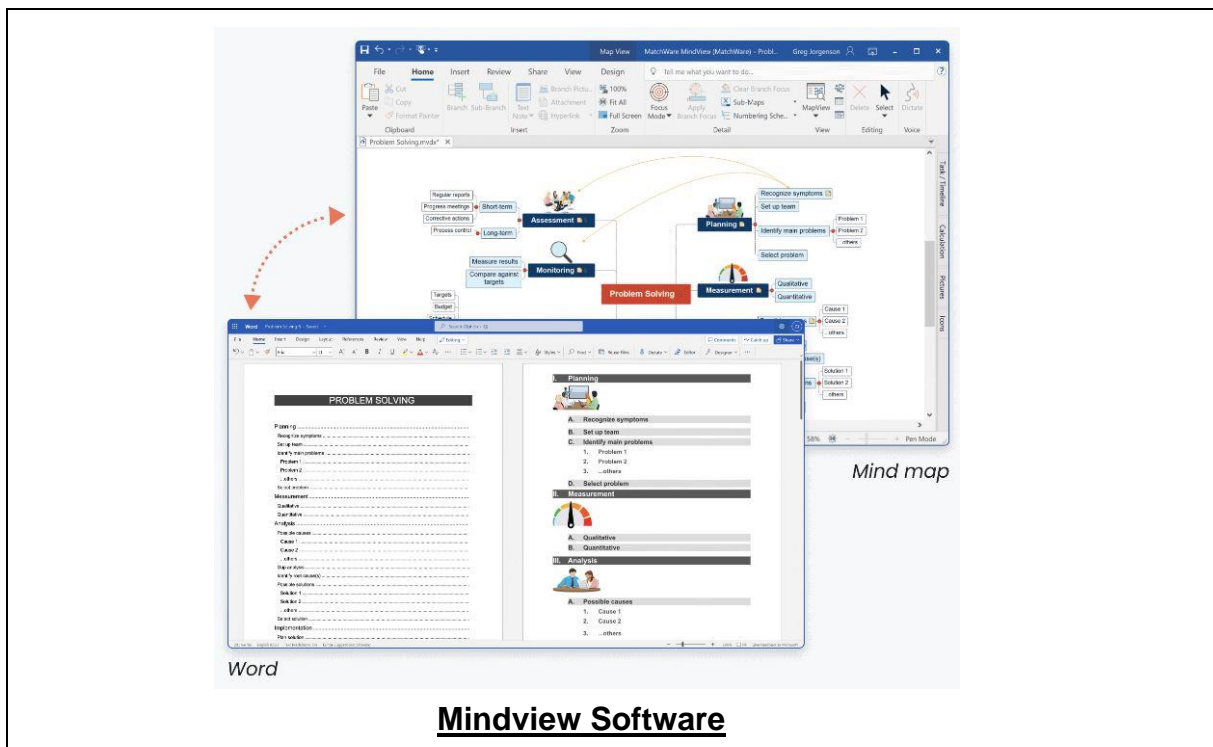
Day 3: Wednesday, 21st of July 2024

0730 – 0830	Project Monitoring & Control Systems Tools and Techniques for Real-Time Project Monitoring • Importance of Control Systems in Maintaining Project Scope, Time and Cost
0830 – 0930	Health, Safety & Environment (HSE) HSE Management Systems in the Oil and Gas Industry • Case Studies of HSE Excellence and Lessons Learned from past Incidents
0930 – 0945	Break
0945 – 1100	Contract Management Strategies for Effective Contract Management to Prevent Disputes and Ensure Compliance • Role of Contract Managers in Megaprojects
1100 – 1230	Performance Evaluation & Reporting Metrics and KPIs Used to Evaluate Project Performance • Reporting Standards and Requirements for Different Stakeholders
1230 – 1245	Break
1245 – 1345	Project Closure & Handover Processes and Practices for Successful Project Closure and Handover to Operations • Challenges in the Transition from Project Completion to Operational Phase

1345 – 1400	Course Conclusion Using this Course Overview, the Instructor(s) will Brief Participants about the he Course Topics that were Covered During the Course
1400 – 1415	POST-TEST
1415 – 1430	Presentation of Course Certificates
1430	Lunch & End of Course

Simulator (Hands-on Practical Sessions)

Practical sessions will be organized during the course for delegates to practice the theory learnt. Delegates will be provided with an opportunity to carryout various exercises using the “MS Project” and “Mindview Software”.



Course Coordinator

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