COURSE OVERVIEW PM0328
Advanced Project Interface Management in the Oil & Gas Industry

Course Title
Advanced Project Interface Management in the Oil & Gas Industry



Course Date/Venue
November 01-05, 2026/TBA Meeting Room, Royal Tulip Hotel, Muscat, Oman

Course Reference
PM0328

Course Duration/Credits
Five days/3.0 CEUs/30 PDHs

Course Description







This practical and highly-interactive course includes real-life case studies where participants will be engaged in a series of interactive small groups and class workshops.

This course is designed to provide participants with a detailed and up-to-date overview of Advanced Project Interface Management in the Oil & Gas Industry. It covers the interface management in oil and gas projects, complexity of interface in oil and gas projects and project lifecycle and interface management; the interface management framework and governance and interface identification and classification; the interface management plan (IMP) and interface register development and management; and the interface agreements, interface control documents, interface request and query management.

Further, the course will also discuss the engineering interface management and battery limits, tie-ins and scope boundaries; the interface meetings and coordination techniques, contractual interface management and contractor and package interfaces; the procurement and supply chain interfaces and stakeholder interface management; the regulatory, permit and third-party interfaces and communications; and the information management, interface risk management, interface dependency and schedule management.

During this interactive course, participants will learn the change management and interface impact assessment; the construction interface management and HSE and process safety interfaces; the interface conflict and issue resolution and commissioning and start-up interfaces; the operations readiness and final handover and digital tools for interface management; and the interface performance measurement and reporting and advanced interface management.

Course Objectives/Outcomes & Benefits for the Participants

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

- Apply and gain an advanced knowledge on project interface management in the oil and gas industry
- Discuss interface management in oil and gas projects, complexity of interface in oil and gas projects and project lifecycle and interface management
- Recognize interface management framework and governance and apply interface identification and classification
- Carryout interface management plan (IMP) and interface register development and management
- Discuss interface agreements and interface control documents and apply interface request and query management
- Employ engineering interface management and identify battery limits, tie-ins and scope boundaries
- Apply interface meetings and coordination techniques, contractual interface management and contractor and package interfaces
- Discuss procurement and supply chain interfaces and carryout stakeholder interface management
- Interpret regulatory, permit and third-party interfaces and apply communications and information management, interface risk management as well as interface dependency and schedule management
- Employ change management and interface impact assessment, construction interface management and HSE and process safety interfaces
- Identify interface conflict and issue resolution and implement commissioning and start-up interfaces and operations readiness and final handover
- Carryout digital tools for interface management, interface performance measurement and reporting and advanced interface management

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 conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides an overview of all significant aspects and considerations of advanced project interface management in the oil and gas industry for project directors, project managers, project engineering managers, engineering managers, construction managers, commissioning managers, project controls managers, contract managers, procurement and supply chain managers, operations managers, HSE managers, interface managers, package managers, discipline engineers, project engineers, interface engineers, project coordinators and other technical staff.

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

Haward's certificates are accredited by the following international accreditation organizations:

- British Accreditation Council (BAC)

  Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. Haward's certificates are internationally recognized and accredited by the British Accreditation Council (BAC). 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.

- 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 **3.0 CEUs** (Continuing Education Units) or **30 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.

Course Fee

US$ 5,500 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. Joe Nel, PEng, PhD, MSc, MBA, BSc, PMI-PMP, is **Senior Project Management Consultant** with over **20 years** of experience within the **Oil**, **Gas** and **Petrochemical** industries. His expertise includes **Project** Management, **Project Risk Management**, **Risk Identification Tools** & **Techniques**, **Project** Life Cycle, **Project Stakeholder** & Governance, **Project Management** Processes, **Project Governance** & **Stage** Management, **Project** Management Methodology, **Project Integration** Management, **Project** Management Plan, **Project Work** Monitoring & Control, **Project Scope** Management, **Project Time** Management, **Project Cost** Management, **Project Quality** Management, **Value Engineering**, **Quality** Assurance, **Project Human Resource** Management, **Project Communications** Management, **Contract** Management, **Logistics & Supply Chain** Management, **Materials** Management, **Asset** Management, **Procurement & Purchasing** Management, **Quality Management System** (**QMS**), **Business** Management, **Time** Management, **Performance** Management, **Construction** Management, **Negotiation & Presentation Skills**, **Supervisory & Management Skills**, **Purchasing**, **Warehousing**, **Coaching & Mentoring** and **Strategic Decision Making**. Further, his experience includes resource management, systems development, financial analysis & forecast, risk identification & analysis and material appraisal. He is currently the **Senior Consultant** wherein he is responsible of the project management systems and processes.

During Dr. Nel's career life, he has shared his knowledge and practical expertise through numerous trainings worldwide and as a **Professor**, **Lecturer & Facilitator** of various **universities**. He has shown his expertise in challenging positions such as the **Project Manager**, **Senior Consultant**, **Senior Trainer**, **Office Manager**, **General Production Manager**, **Junior Design Engineer** and **Site Engineer**.

Dr. Nel is a **Registered Professional Engineer** by **ECSA**, has **PhD** in **Industrial Engineering**, **Master's** degrees in **Civil Engineering** and **Business Administration** (**MBA**) and a **Bachelor's** degree in **Civil Engineering** from the **University of Stellenbosch**. Further, he is an active **member** of the South African Institute of Civil Engineers (**SAICE**), the Institute of Municipal Engineers South Africa (**IMESA**) and the Project Management South Africa (**PMSA**). Moreover, he is a **Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership & Management** (**ILM**) a **Certified Instructor/Lecturer**, **Project Management Professional** and has certifications in **PRINCE2 Foundations** and **Construction Management** Program. He has delivered numerous trainings, workshops, seminars, courses and conferences internationally.

Accommodation

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

Training Methodology

Our courses employ an interactive, learner-centred methodology that integrates theoretical knowledge with practical application. The training is delivered through a suitable combination of some or all of the following methods, selected according to the course content and learning objectives:

- Instructor-led presentations and facilitated discussions
- Practical workshops and participant presentations
- Hands-on exercises and real-world case studies
- Equipment demonstrations and technical drawings
- Hardware- and software-based simulations
- Gamification & Role Play in soft-skills courses only
- Virtual Reality (VR) and Augmented Reality (AR)
- Instructional videos and other relevant training resources

This blended approach encourages active participation, strengthens practical skills and supports the effective application of acquired knowledge in the workplace.

Learning Design & Customization

This course can be customized to the exact requirements of clients. Haward Technology is so proud of our huge capabilities in tailoring our courses to the training needs of our valued clients.

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: ***Sunday, 01st of November 2026***

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Introduction to Interface Management in Oil & Gas Projects*** *Definition, Purpose & Principles of Interface Management • Importance Across the Oil & Gas Project Lifecycle • Internal versus External Project Interfaces • Impact of Interfaces on Cost, Schedule, Quality & Safety*
0930 – 0945	*Break*
0945 – 1030	***Complexity of Interfaces in Oil & Gas Projects*** *Technical, Organizational, Contractual & Operational Interfaces • Interfaces Across Upstream, Midstream & Downstream Projects • Multi-Contractor & Multi-Stakeholder Project Environments • Typical Interface Challenges in Major Capital Projects*
1030 – 1130	***Project Lifecycle & Interface Management*** *Interfaces During Concept Selection & FEED • Interfaces During Detailed Engineering & Procurement • Interfaces During Construction, Installation & Commissioning • Interfaces During Handover, Start-Up & Operations*

1130 – 1215	***Interface Management Framework & Governance*** *Developing an Interface Management Strategy • Establishing Governance, Roles & Responsibilities • Interface Management Procedures & Workflows • Escalation Routes & Decision-Making Authorities*
1215 – 1230	*Break*
1230 – 1330	***Interface Identification & Classification*** *Methods for Systematic Interface Identification • Physical, Functional, Information & Organizational Interfaces • Internal, External & Third-Party Interfaces • Criticality Ranking & Prioritization of Interfaces*
1330 – 1420	***Interface Management Plan (IMP)*** *Purpose & Structure of an Interface Management Plan • Defining Interface Management Objectives & Requirements • Establishing Processes, Tools & Reporting Requirements • Aligning the IMP with the Project Execution Plan*
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: ***Monday, 02nd of November 2026***

0730 – 0830	***Interface Register Development & Management*** *Establishing an Interface Register • Defining Interface Owners & Responsible Parties • Recording Due Dates, Dependencies & Status • Maintaining Traceability & Auditability*
0830 – 0930	***Interface Agreements & Interface Control Documents (ICDs)*** *Purpose & Structure of Interface Agreements • Developing Interface Control Documents • Defining Technical & Functional Boundaries • Approval, Revision & Configuration Control*
0930 – 0945	*Break*
0945 – 1100	***Interface Request & Query Management*** *Developing Interface Request Workflows • Preparing Clear & Actionable Interface Queries • Tracking Responses, Commitments & Due Dates • Managing Overdue & Unresolved Interface Actions*
1100 – 1215	***Engineering Interface Management*** *Process, Mechanical, Piping & Pipeline Interfaces • Electrical, Instrumentation & Control System Interfaces • Civil, Structural & Architectural Interfaces • Multidisciplinary Design Coordination & Clash Prevention*
1215 – 1230	*Break*
1230 – 1330	***Battery Limits, Tie-Ins & Scope Boundaries*** *Defining Battery Limits & Scope Breaks • Identifying Tie-In Points & Connection Requirements • Managing Brownfield-to-Greenfield Interfaces • Resolving Scope Gaps, Overlaps & Ambiguities*
1330 – 1420	***Interface Meetings & Coordination Techniques*** *Planning Effective Interface Coordination Meetings • Developing Interface Agendas & Action Trackers • Resolving Cross-Disciplinary Coordination Issues • Recording Decisions, Responsibilities & Commitments*
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:	Tuesday, 03rd of November 2026
0730 – 0830	***Contractual Interface Management*** *Interface Requirements in EPC & EPCM Contracts • Owner, Contractor & Subcontractor Responsibilities • Managing Scope Gaps & Overlapping Responsibilities • Contractual Notifications & Interface Obligations*
0830 – 0930	***Contractor & Package Interfaces*** *Managing Multiple EPC Contractors & Work Packages • Vendor Package Integration & Data Requirements • Construction Contractor Interface Coordination • Integration of Licensors, OEMs & Specialist Vendors*
0930 – 0945	*Break*
0945 – 1100	***Procurement & Supply Chain Interfaces*** *Engineering-to-Procurement Information Interfaces • Vendor Data, Drawings & Documentation Interfaces • Expediting, Inspection & Logistics Coordination • Managing Long-Lead Equipment Interface Dependencies*
1100 – 1215	***Stakeholder Interface Management*** *Identifying Internal & External Stakeholders • Client, Partner, Contractor & Operator Interfaces • Government, Regulatory & Third-Party Interfaces • Stakeholder Communication & Engagement Planning*
1215 – 1230	*Break*
1230 – 1330	***Regulatory, Permit & Third-Party Interfaces*** *Regulatory Approval & Compliance Interfaces • Permits, Licenses & Authority Requirements • Utility, Infrastructure & Landowner Interfaces • Tracking External Dependencies & Commitments*
1330 – 1420	***Communication & Information Management*** *Establishing Communication Protocols • Document Control & Information Exchange Requirements • Managing Transmittals, Technical Queries & Correspondence • Digital Collaboration Platforms & Common Data Environments*
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 Three*

Day 4:	Wednesday, 04th of November 2026
0730 – 0830	***Interface Risk Management*** *Identifying Interface-Related Risks • Interface Risk Assessment & Prioritization • Developing Mitigation & Contingency Actions • Integrating Interface Risks with the Project Risk Register*
0830 – 0930	***Interface Dependency & Schedule Management*** *Identifying Cross-Package Dependencies • Linking Interfaces to Project Milestones • Critical Path & Schedule Interface Analysis • Monitoring Interface-Driven Schedule Risks*
0930 – 0945	*Break*
0945 – 1100	***Change Management & Interface Impact Assessment*** *Engineering & Scope Change Interface Impacts • Management of Change (MOC) Principles • Evaluating Cost, Schedule & Technical Consequences • Communicating Approved Changes Across Interface Parties*
1100 – 1215	***Construction Interface Management*** *Site Access, Workfront & Area Coordination • Simultaneous Operations (SIMOPS) Interfaces • Construction Sequence & Contractor Coordination • Managing Field Changes & Interface Constraints*

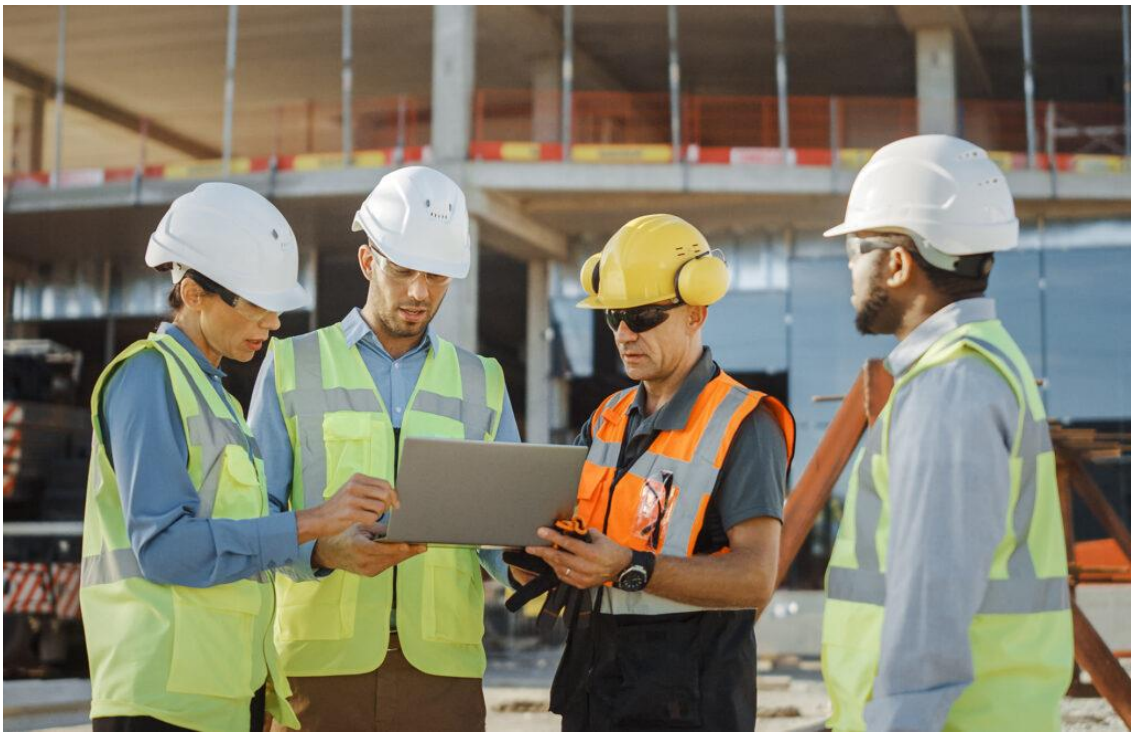
1215 – 1230	*Break*
1230 – 1330	***HSE & Process Safety Interfaces*** *HSE Responsibilities Across Interface Boundaries • Permit-to-Work & SIMOPS Coordination • Process Safety & Hazard Management Interfaces • Emergency Response & Contractor HSE Interfaces*
1330 – 1420	***Interface Conflict & Issue Resolution*** *Root Causes of Interface Conflicts • Structured Problem-Solving & Resolution Techniques • Negotiation Across Organizational Boundaries • Escalation, Decision Logs & Closure Verification*
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 Four*

Day 5: ***Thursday, 05th of November 2026***

0730 – 0830	***Commissioning & Start-Up Interfaces*** *Construction-to-Commissioning Handover • Systemization & Subsystem Interface Management • Mechanical Completion & Pre-Commissioning Interfaces • Start-Up Readiness & Operational Integration*
0830 – 0930	***Operations Readiness & Final Handover*** *Project-to-Operations Interface Requirements • Operations & Maintenance Documentation • Training, Spares & Asset Information Handover • Punch List, Outstanding Work & Final Acceptance*
0930 – 0945	*Break*
0945 – 1100	***Digital Tools for Interface Management*** *Interface Management Databases & Digital Registers • Dashboard Development & Real-Time Status Tracking • BIM, Digital Engineering & Model-Based Coordination • Automated Notifications, Reporting & Workflow Control*
1100 – 1215	***Interface Performance Measurement & Reporting*** *Developing Interface Management KPIs • Measuring Open, Closed & Overdue Interfaces • Monitoring Critical Interface Actions & Trends • Management Dashboards & Executive Reporting*
1215 – 1230	*Break*
1230 – 1315	***Advanced Interface Management & Lessons Learned*** *Interface Management in Mega & Complex Projects • Early Identification of Emerging Interface Issues • Capturing Lessons Learned & Recurring Problems • Continuous Improvement of Interface Management Processes*
1315 – 1345	***Integrated Interface Management Workshop & Case Study*** *Developing an Interface Map for an Oil & Gas Project • Preparing Interface Registers, ICDs & Responsibility Matrices • Resolving a Multi-Contractor Interface Scenario • Developing an Interface Action & Improvement Plan*
1345 – 1400	***Course Conclusion*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Course Topics that were Covered During the Course*
1400 – 1415	***POST-TEST***
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Practical Sessions

This practical and highly-interactive course includes real-life case studies and exercises:-



Course Coordinator

Mari Nakintu, Tel: +971 2 30 91 714, Email: mari1@haward.org