



COURSE OVERVIEW SE0052 **Construction Management**

Course Title

Construction Management

Course Date/Venue

September 08-12, 2025/Executive Boardroom
B Meeting Room, InterContinental Abu Dhabi,
Abu Dhabi, UAE

Course Reference

SE0052

Course Duration/Credits

Five days/3.0 CEUs/30 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 Construction Management. It covers the role of a construction manager, key responsibilities in project lifecycle and differences between construction and project management; the construction project phases, project planning and scheduling, cost estimation and budgeting; the construction contracts and legal aspects; the project team and communication, construction design process, design coordination and communication; and the construction permits, regulatory compliance, material management and procurement.



During this interactive course, participants will learn the risk management in construction projects, technology, project execution, quality control and assurance; the project monitoring, reporting, site safety, contractor management, budget control and cost monitoring; the lean construction, sustainability, scheduling and recovery plans; the project financing and cash flow management; the dispute resolution in construction projects, contract closeout and handover; the leadership in construction management and project closeout procedures; and the post-construction support, project evaluation, ethics in construction management and career development in construction management.



Course Objectives

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

- Apply and gain an in-depth knowledge on construction management
- Discuss the role of a construction manager, key responsibilities in project lifecycle and differences between construction and project management
- Identify construction project phases covering pre-construction, construction, post-construction and commissioning and handover
- Carryout project planning and scheduling, cost estimation and budgeting
- Review construction contracts and legal aspects as well as apply project team and communication, construction design process and design coordination and communication
- Recognize construction permits and regulatory compliance and carryout material management and procurement, risk management in construction projects and technology in construction
- Employ construction project execution, quality control and assurance, project monitoring and reporting
- Apply construction site safety, contractor management, budget control and cost monitoring
- Carryout lean construction, sustainability in construction, construction scheduling and recovery plans and project financing and cash flow management
- Implement dispute resolution in construction projects, contract closeout and handover, leadership in construction management and project closeout procedures
- Apply post-construction support, construction project evaluation, ethics in construction management and career development in construction 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 construction management for construction managers, project managers, civil engineers, structural engineers, electrical engineers, mechanical engineers, architects, construction site supervisors and foremen, contractors and subcontractors, quantity surveyors, construction inspectors and quality control personnel and other technical staff.

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 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.

Accommodation

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



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:



Mr. Steve Magalios, CEng, PGDip (on-going), MSc, BSc, is a **Senior Civil Engineer** with over **30 years** of extensive **On-shore & Offshore** experience in the **Oil & Gas, Construction, Refinery and Petrochemical** industries. His expertise widely covers in the areas of **Concrete Structures & Building Rehabilitation, Reinforced Concrete Structures Protection, Concrete Structure Inspection & Repair, Concrete Inspection & Maintenance, Concrete Maintenance & Reliability Analysis, Design and Behaviour of Steel Structures, Advanced Steel Design & Stability of Structures Concrete Structural Design, Dynamic Analysis of Rotating Equipment Foundations & Structural Steel Piperacks, Concrete Technology, Construction Planning, Construction & Concrete Works Maintenance, Advanced Building**

Construction Technology, Geosynthetics & Ground Improvement Methods, Bench Design, Benching, Land Survey and ArcGIS for Earthworks & Management, ArcGIS for Surveying, Computer Aided Design (CAD), AutoCAD Civil 3D, GIS & Mapping, Structural Analysis & Design (STAAD PRO), Land Surveying & Property Evaluation, Earth Measurements, Earthwork & Structural Maintenance, System Safety Program Plan (SSPP) Inspection, Building & Road Design Skills, Civil Engineering Design, Structural Reliability Engineering, Road Construction & Maintenance, Road Pavement Design, Road Maintenance, Drainage System Operations & Maintenance, Blueprint Reading & Interpretation, Blue Print Documentation, Mechanical Drawings, P&ID, Flow Diagram Symbols, Cartographic Representation, Soil Classification, Cadastral Surveying & Boundary Definition, Project Engineering & Design, Construction Management, Project Planning & Execution, Site Management, Site Supervision, Effective Resource Management, Project Evaluation, FEED Management, EPC Projects Design, Project Completion & Workover, Quality Control and Team Management. He is also well-versed in **Pipeline Operation & Maintenance, Pipeline Design & Construction, Pipeline Engineering, Scraper Traps, Burn Pits, Risk Assessment, HSE Plan & Procedures, Construction Planning, Methods & Management, Sloping, Embankments, Construction Planning, Construction Quality Management, Project Risk Assessment, Project Quality Plans, Excavation, Backfill & Compaction, Excavation & Reinstatement, Excavation Safety for Construction, Groundworks Supervision, Construction Quality Remote Sensing, Construction Materials, Construction Surveying, Detailed Engineering Drawings, Codes & Standards Quality Plan & Procedures, Safety & Compliance Management, Permit-to-Work Issuer, ASME, API, ANSI, ASTM, BS, NACE, ARAMCO & KOC Standards, MS Office tools, AutoCAD, STAAD-PRO, GIS, ArcInfo, ArcView, Autodesk Map and various programming languages and software such as SHOTPlus, FORTRAN, BASIC and AUTOLISP.** Currently, he is the **Chartered Professional Surveyor Engineer & Urban-Regional Planner** wherein he is deeply involved in providing exact data, measurements and determining properly boundaries. He is also responsible in preparing and maintaining sketches, maps, reports and legal description of surveys.

During his career, Mr. Magalios has gained his expertise and thorough practical experience through challenging positions such as a **Project Site Construction Manager, Construction Site Manager, Project Manager, Deputy PMS Manager, Head of the Public Project Inspection Field Team, Technical Consultant, Senior Consultant, Consultant/Lecturer, Construction Team Leader, Lead Pipeline Engineer, Project Construction Lead Supervising Engineer, Civil Engineer, Lead Site Engineer, Senior Site Engineer Lead Engineer, Senior Site Engineer, R.O.W. Coordinator, Site Representative, Supervision Head and Contractor** for international Companies such as the Penspen International Limited, Eptista Servicios de Ingenieria S.I., J/V ILF Pantec TH. Papaioannou & Co. – Emenergy Engineering, J/V Karaylannis S.A. – Intracom Constructions S.A., Ergaz Ltd., Alkyonis 7, Palaeo Faliro, Piraeus, Elpet Valkaniki S.A., Asprofos S.A., J/V Depa S.A. just to name a few.

Mr. Magalios is a **Registered Chartered Engineer** and has a **Master's and Bachelor's** degree in **Surveying Engineering** from the **University of New Brunswick, Canada** and the **National Technical University of Athens, Greece**, respectively. Further, he is currently enrolled for **Post-graduate** in **Quality Assurance** from the **Hellenic Open University, Greece**. He has further obtained a **Level 4B** Certificates in **Project Management** from the **National & Kapodistrian University of Athens, Greece** and **Environmental Auditing** from the **Environmental Auditors Registration Association (EARA)**. Moreover, he is a **Certified Instructor/Trainer**, a **Chartered Engineer** of **Technical Chamber of Greece** and has delivered numerous trainings, workshops, seminars, courses and conferences internationally.



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.

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, 08th of September 2025

0730 – 0800	Registration & Coffee
0800 – 0815	Welcome & Introduction
0815 – 0830	PRE-TEST
0830 – 0930	Overview of Construction Management Definition & Importance • Role of a Construction Manager • Key Responsibilities in Project Lifecycle • Differences Between Construction & Project Management
0930 – 0945	Break
0945 – 1030	Construction Project Phases Pre-construction • Construction • Post-Construction • Commissioning & Handover
1030 – 1130	Project Planning & Scheduling Importance of Project Planning • Work Breakdown Structure (WBS) • Gantt Charts & Scheduling Tools • Critical Path Method (CPM)
1130 – 1215	Cost Estimation & Budgeting Types of Construction Costs • Estimation Techniques • Budgeting for Construction Projects • Contingency & Risk Management
1215 – 1230	Break
1230 – 1330	Construction Contracts & Legal Aspects Types of Construction Contracts (Lump Sum, Unit Price, etc.) • Contract Clauses & Terms • Legal Rights & Responsibilities • Dispute Resolution Mechanisms
1330 – 1420	Project Team & Communication Building the Project Team • Roles of Key Personnel • Effective Communication Strategies • Team Collaboration & Conflict Management
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, 09th of September 2025

0730 – 0830	Construction Design Process Conceptual Design • Design Development • Construction Drawings & Specifications • Value Engineering
0830 – 0930	Design Coordination & Communication Importance of Coordination Between Teams • Tools for Design Collaboration • Handling Design Changes • Communication Channels in Design Phase
0930 – 0945	Break
0945 – 1100	Construction Permits & Regulatory Compliance Understanding Building Codes & Standards • Obtaining Necessary Permits • Environmental & Safety Regulations • Inspections & Approvals
1100 – 1215	Material Management & Procurement Materials Selection & Sourcing • Supplier Relationships & Contracts • Just-in-Time (JIT) Procurement • Inventory Control & Storage
1215 – 1230	Break
1230 – 1330	Risk Management in Construction Projects Identifying Risks in Construction Projects • Risk Assessment & Analysis • Risk Mitigation Strategies • Managing Unforeseen Risks
1330 – 1420	Technology in Construction Role of Technology in Construction Projects • Building Information Modeling (BIM) • Drones & Robotics in Construction • Project Management Software
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, 10th of September 2025

0730 – 0830	Construction Project Execution Project Kick-off & Mobilization • Resource Allocation & Management • Site Setup & Safety Measures • Managing Labor Force & Contractors
0830 – 0930	Quality Control & Assurance Importance of Quality Management • Quality Control Processes • Inspecting & Testing Construction Work • Handling Defects & Rework
0930 – 0945	Break
0945 – 1100	Project Monitoring & Reporting Progress Tracking & Reporting • Performance Metrics & KPIs • Variance Analysis • Managing Stakeholder Expectations
1100 – 1215	Construction Site Safety Construction Site Hazards • Safety Protocols & Procedures • Safety Training & Certification • Incident Reporting & Investigation
1215 – 1230	Break
1230 – 1330	Contractor Management Selecting & Hiring Contractors • Performance Evaluation & Feedback • Managing Subcontractors • Ensuring Contractual Compliance



1330 – 1420	Budget Control & Cost Monitoring Managing Project Budget • Cost Control Techniques • Change Orders & Budget Adjustments • Reporting Financial Performance
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: Thursday, 11th of September 2025

0730 – 0830	Lean Construction Principles of Lean Construction • Waste Reduction Techniques • Implementing Lean in Construction Projects • Case Studies of Lean Implementation
0830 – 0930	Sustainability in Construction Sustainable Building Practices • Energy-efficient Designs & Materials • LEED Certification & Green Building Standards • Managing Environmental Impact
0930 – 0945	Break
0945 – 1100	Construction Scheduling & Delays Types of Construction Delays • Analyzing Delay Causes • Scheduling Adjustments & Recovery Plans • Claims & Disputes Related to Delays
1100 – 1215	Project Financing & Cash Flow Management Understanding Project Cash Flow • Financing Options for Construction Projects • Managing Payments & Billing Cycles • Cash Flow Forecasting
1215 – 1230	Break
1230 – 1330	Dispute Resolution in Construction Projects Common Causes of Disputes • Methods of Dispute Resolution • Negotiation & Mediation • Legal Recourse & Litigation
1330 – 1420	Contract Closeout & Handover Final Inspections & Punch Lists • Completing Paperwork & Documentation • Final Payments & Contractor Release • Project Handover to Clients
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: Friday, 12th of September 2025

0730 – 0830	Leadership in Construction Management Leadership Styles & Approaches • Motivating & Managing Teams • Conflict Resolution & Negotiation • Building a Positive Work Culture
0830 – 0930	Project Closeout Procedures Final Project Inspections • Documentation & Reporting • Final Billing & Invoicing • Archiving Project Documents
0930 – 0945	Break
0945 – 1030	Post-Construction Support Ongoing Maintenance & Warranty • Operational Handover to Owners • Addressing Post-Construction Issues • Client Relations After Project Completion



1030 – 1130	Construction Project Evaluation <i>Evaluating Project Success & Failures • Lessons Learned & Knowledge Transfer • Feedback from Clients & Stakeholders • Improving Future Project Performance</i>
1130 – 1230	Ethics in Construction Management <i>Ethical Issues in Construction Projects • Building a Culture of Integrity • Managing Conflicts of Interest • Upholding Legal & Ethical Standards</i>
1230 – 1245	Break
1245 – 1345	Career Development in Construction Management <i>Career Paths in Construction Management • Certification & Professional Development • Networking & Industry Involvement • Continuing Education Opportunities</i>
1345 – 1400	Course Conclusion <i>Using this Course Overview, the Instructor(s) will Brief Participants about the Course Topics that were Covered During the Course</i>
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 “MS Project” and “Risky Project Software”.





Course Coordinator

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