COURSE OVERVIEW SE0052
Construction Management

Course Title
Construction Management

Course Date/Venue
please see page 3

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.

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 Date/Venue

Session(s)	Date	Venue
1	May 05-09, 2025	Fujairah Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE
2	July 06-10, 2025	Tamra Meeting Room, Al Bandar Rotana Creek, Dubai, UAE
3	September 08-12, 2025	Fujairah Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE
4	November 02-06, 2025	Tamra Meeting Room, Al Bandar Rotana Creek, Dubai, UAE

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.

Accommodation

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

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: -

- 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.

- 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 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 almost **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 Ingeneria 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.

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

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

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

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

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

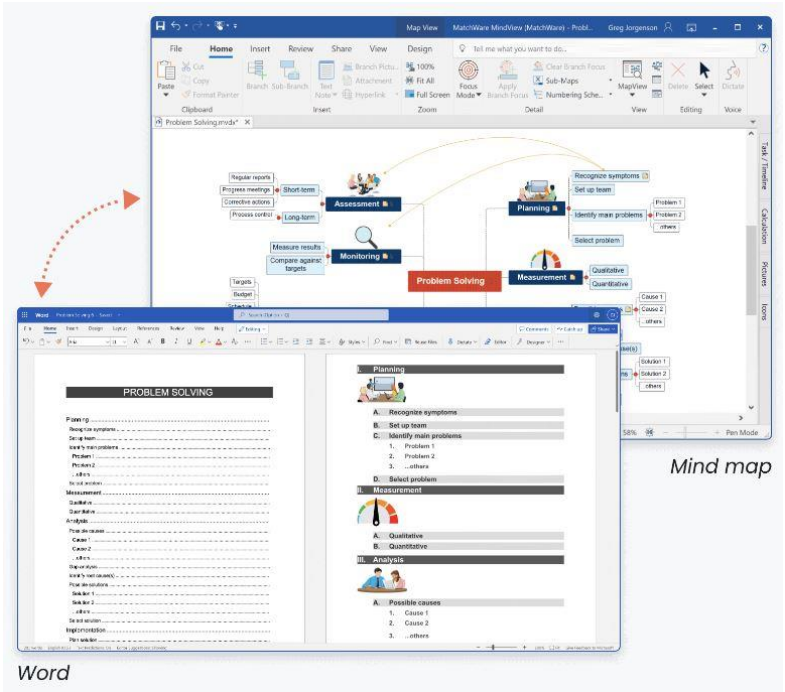
0730 – 0830	***Leadership in Construction Management*** *Leadership Styles & Approaches • Motivating & Managing Teams • Conflict Resolution & Negotiation • Building a Positive Work Culture*
0830 – 0930	***Project Closeout Procedures*** *Final Project Inspections • Documentation & Reporting • Final Billing & 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*** *Evaluating Project Success & Failures • Lessons Learned & Knowledge Transfer • Feedback from Clients & Stakeholders • Improving Future Project Performance*
1130 – 1230	***Ethics in Construction Management*** *Ethical Issues in Construction Projects • Building a Culture of Integrity • Managing Conflicts of Interest • Upholding Legal & Ethical Standards*
1230 – 1245	*Break*
1245 – 1345	***Career Development in Construction Management*** *Career Paths in Construction Management • Certification & Professional Development • Networking & Industry Involvement • Continuing Education Opportunitiesy*
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*

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”.

Microsoft Office Project

Enterprise Project Management Solution



Mindview Software

Course Coordinator

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