

COURSE OVERVIEW PM0265

Equipment Installation: Mastering Essential Skills for Construction Management

Course Title

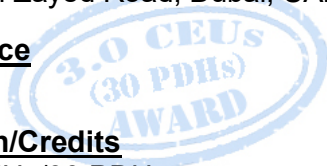
Equipment Installation: Mastering Essential Skills for Construction Management

Course Date/Venue

Session 1: February 24-28, 2025/Fujairah
Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE
Session 2: September 21-25, 2025/Boardroom
1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE



Course Reference
PM0265



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.



Site supervision and construction management requires a wide variety of skills including people skills that includes effective leadership, accident prevention, and clear communication; technical skills comprising of planning, scheduling, cost control, and productivity improvements; and management skills covering project management, contract and document comprehension, and complex problem-solving. It plays a major role in effectively planning, completing and handling over the projects on time and budget. The best practices of construction technology and management will be shared with the participants which will improve their capability in meeting the end user requirements.



This course is designed to provide participants a detailed and up-to-date knowledge and skills of site supervision and construction management. It covers the preconstruction site investigation, planning, schedule, estimating and design; as well as construction planning and project start-up and mobilization.

At the end of the course, participants will be able to employ proper management and control of various concepts, processes and practices in equipment, plant, labor, contractor/subcontractor, cost control, safety/HSE, quality, supply chain, risk, contract and claim. Further, they will be able to determine the value engineering, motivate workforce and acquire necessary awareness in various levels of the application of controls by the construction manager, concrete contractor and by the general contractor.

Course Objectives

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

- Apply the best practices in site management inspection and supervision
- Perform the preconstruction site investigation, planning, schedule, estimating and design
- Carryout construction planning and project start-up and mobilization
- Manage materials in construction sites
- Employ various concepts and practices in equipment/plant management and labor management
- Manage contractor/subcontractor and control the cost
- Implement the rules of safety/HSE management
- Discuss quality management and supply chain management as well as risk management
- Explain contract and claim management, motivate workforce and acquire necessary awareness in various levels of the application of controls by the construction manager, concrete contractor and by the general contractor

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 a comprehensive and up-to-date overview of site supervision and construction management for all construction and project professionals including construction managers, project managers, construction supervisors, engineers and foremen. Further, this course is suitable for contracts, procurement and those who are interested to gain comprehensive knowledge and skills in site supervision and construction management.

Accommodation


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

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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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.
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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 **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. 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:



Mr. Eric Horne, MBA, PMP, PMI-RMP & SMC, HNDPM, NDOWS, T3 (Mech), is a **Senior Project Management Consultant** with over **40 years** of training and industrial experience. His expertise lies extensively in the areas of **Projects, Contracts, Operations, Procurement, Production, Finance and Supply Chain Management**. Further, Mr. Horne is an expert in **Project Management Professional (PMP), Project Risk Management Concepts, Project Management Processes, Project Time Management, Project Cost Management, Project Quality Management, Quality Assurance, Project Human Resource Management, Project Integration Management, Project Management Plan, Project Work Monitoring & Control, Project Scope Management, Project Communications Management, Project Planning, Scheduling & Cost Control Professional, Project Scheduling & Cost Control, Program Management Professional (PgMP), Leadership Management; Communications Management; Interpersonal, Teamwork & Team Management; Adaptability & Learning, Marketing Management; Customer Care Management; Sales & Marketing, Branding, Account Development Strategy & Time Management; Facilitation & Business Presentation Management; Warehouse & Logistics Management; Data & Record Management; Managerial Economics; Marketing Management; Value Engineering; Change Management; Planning, Budgeting & Cost Control; Strategic Thinking, Re-Engineering & Risk Management; Production Planning & Control; and Service Level Agreements (SLA)**. He is also well-versed in Business Law, Labour Law, Strategy Formulation, Resource Allocation, Continuous Improvement and Productivity Improvement. He is currently the **Senior Project Manager of APC Solutions** wherein he is responsible for the complete project life cycle including **initiating, planning, executing, monitoring & controlling and closing** as well as developing and presenting of various trainings within their organization.

Mr. Horne has worked for many blue chip companies such as **BHP Billiton, Eskom, Telecast Engineering, Adcorp, 3M** and many more wherein he gained technical and broad experience in all facets of well-renowned large companies in various industries. His work started on the shop floor as a **Industrial Engineer, Senior Work Study Officer, Industrial Engineer, Industrial Sales Engineer, Lecturer, Consultant/Trainer, Project Specialist** and rising up to managerial positions like **Project Governance Development Manager, Senior Project Manager, Project Manager Specialist, Marketing Manager, Sales Manager, National Marketing & Training Manager, Change Manager, Regional Manager and Project & Training Manager**.

Mr. Horne has a **Master** degree in **Business Administration** from the **University of Wales, UK**. Further, he has a **Higher National Diploma in Production Management, a National Diploma in Organisation & Work Study** and a **T3 Mechanical Certificate**. Moreover, he is a **Certified Instructor/Trainer, a Certified PMI-Project Risk Management Professional (PMI-RMP), a Certified Project Management Professional (PMP), a Qualified SETA Assessor, a Certified Scrum Master and a Certified Assessor/Trainer** by the **Institute of Leadership & Management (ILM)**. He has further delivered numerous trainings, courses, workshops, seminars and conferences worldwide.

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 course for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1

0730 – 0800	<i>Registration & Coffee</i>
0800 – 0815	<i>Welcome & Introduction</i>
0815 – 0830	PRE-TEST
0830 – 0930	Construction Industry & Practice <i>Construction Versus Manufacturing Processes • Project Format • Project Development • Construction Technology and Construction Management</i>
0930 – 0945	<i>Break</i>
0945 – 1100	Construction Industry & Practice (cont'd) <i>Construction Management is Resource Driven • Structure of the Construction Industry • Differing Approaches to Industry Breakdown • Management Levels of Construction</i>
1100 – 1215	Preconstruction Site Investigation, Planning, Scheduling, Estimating and Design <i>Construction Site Conditions • Area Construction Practice • Preliminary Estimate • Summary Schedules • Work Packages • Value-Engineering Program • Construction Planning</i>
1215 – 1230	<i>Break</i>
1230 – 1420	Construction Planning <i>Planning in Construction • Who Plans? • Planning Techniques Modern Construction Planning • Data Exchange</i>
1420 – 1430	Recap
1430	<i>End of Day One</i>

Day 2

0730 – 0930	Project Start-Up & Mobilization <i>Establish and Brief the Design Team • The Contract Programme • Subcontractors • Submission of Information Requests • Establish the Budget • Submission of Temporary Works Designs and Method Statements • Allocate and Brief Staff • Mobilize Plant and Labour Force</i>
0930 – 0945	<i>Break</i>

0945 – 1100	Materials Management Material Management Process • The Order • Approval Process • Fabrication and Delivery Process • Installation Process • Material Types
1100 – 1215	Equipment/Plant Management Equipment Owning and Operating Costs • Depreciation of Equipment • Straight-Line Method • Declining Balance • Production Method • Depreciation • Operating Costs
1215 – 1230	Break
1230 – 1420	Equipment/Plant Management (cont'd) Productivity Concepts • Cycle Time and Power Requirements • Power Available • Usable Power • Equipment Balance • Random Work Task Durations
1420 – 1430	Recap
1430	End of Day Two

Day 3

0730 – 0930	Labor Management Labor Resource • Labor Legislations & Laws • Labor Management Relations • Vertical Versus Horizontal Labor Organization Structure • Jurisdictional Disputes • Open-Shop and Double-Breasted Operations • Labor Agreements • Labor Costs • Average Hourly Cost Calculation
0930 – 0945	Break
0945 – 1100	Contractor/Subcontractor Management Nominated Contractor/Subcontractors • Letting a Contract/Subcontract • The Provision of the Standard Forms of Contract/Subcontract • Management of Major Contractors/Subcontractors • Labour Only Contractors/Subcontractors
1100 – 1215	Cost Control & Management Cost Control as a Management Tool • Project Cost Control Systems • Cost Accounts • Cost Coding Systems • Project Cost Code Structure • Cost Accounts for Integrated Project Management
1215 – 1230	Break
1230 – 1420	Cost Control & Management (cont'd) Earned Value Method • Labor Data Collection From Payroll • Charges for Indirect and Overhead Expense • Project Indirect Costs • Fixed Overhead
1420 – 1430	Recap
1430	End of Day Three

Day 4

0730 – 0930	Safety/HSE Management Need for Safe Practice • Humanitarian Concerns • Economic Costs and Benefits • Uninsured Accident Costs • Legislation, Regulation & Standards • Safety Record Keeping • Safety Program
0930 – 0945	Break

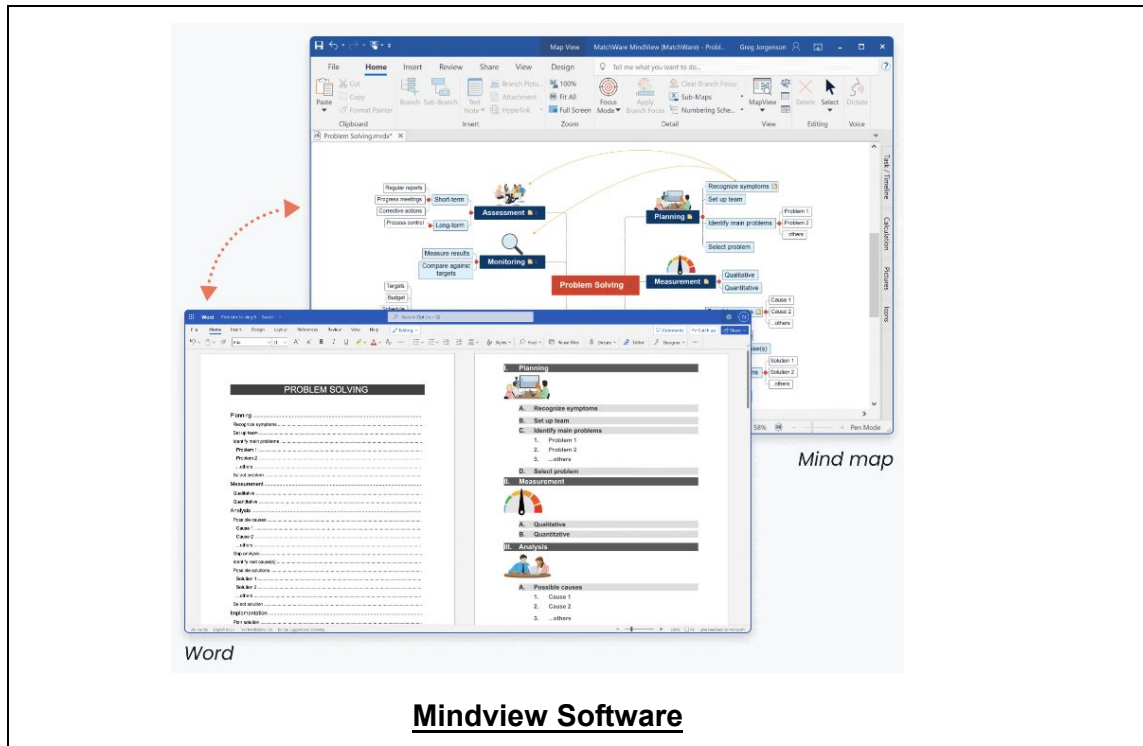
0945 – 1100	Quality Management Notions of Quality • Quality Transition • Quality Control and Inspection • Quality Assurance • Total Quality Management • A Systems Approach to Managing Quality • Quality in the Construction Project
1100 – 1215	Supply Chain Management Goals of Supply Chain Management • Charting the Supply Chain Movement • Distribution • Production • Strategic Procurement • Tools and Techniques • Construction Project Supply Chain Management
1215 – 1230	Break
1230 – 1420	Risk Management Risk Management Programs • Construction Insurance • Construction Surety Bonds • Mechanic's Liens and Stop Notices
1420 – 1430	Recap
1430	End of Day Four

Day 5:

0730 – 0930	Contract & Claim Management Contract Type and Content • Contract Document Preparation • Contract Changes • Major Claim Categories • Alternate Dispute Resolution
0930 – 0945	Break
0945 – 1100	Value Engineering Potential Savings • Value-Engineering Job Plan • Life-Cycle Costing • Developer Programs
1100 – 1215	Application of Controls Management-Level Reporting by Construction Manager • Overall Cost Controls by Construction Manager • Schedule and Progress Controls by Construction Manager • Management-Level Reporting by Concrete Contractor • Cost Controls by Concrete Contractor • Schedule and Progress Controls by Concrete Contractor • Management-Level Reporting by General Contractor • Cost Controls by General Contractor • Schedule and Cost Controls by General Contractor
1215 – 1230	Break
1230 – 1345	Workforce Motivation Motivation Theories • Payment Systems, Remuneration and Performance
1345 – 1400	Course Conclusion
1400 – 1415	POST-TEST
1415 – 1430	Presentation of Course Certificates
1430	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

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