COURSE OVERVIEW TM0052
Engineering Management

Course Title
Engineering Management

Course Reference
TM0052

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

Course Date/Venue

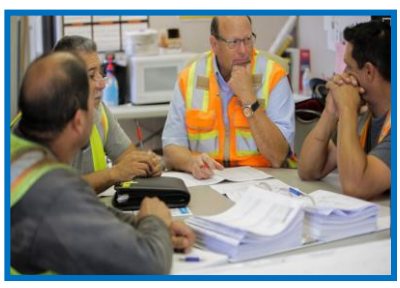
Session(s)	Date	Venue
1	July 07-11, 2025	TBA Meeting Room, JW Marriott Hotel Madrid, Madrid, Spain
2	September 21-25, 2025	Tamra Meeting Room, Al Bandar Rotana Creek, Dubai, UAE
3	December 01-05, 2025	TBA Meeting Room, Grand Hyatt Athens, Athens, Greece
	February 16-20, 2026	Hampstead Meeting Room, London Marriott Hotel Regents Park, London, UK

Course Description

This practical and highly-interactive course includes various practical sessions and exercises. where participants will be engaged in a series of interactive small groups and class workshops.

This course is designed to provide delegates with a detailed and up-to-date overview of Engineering Management. It covers the role, key responsibilities and challenges of engineering managers; developing a management mind set and building a personal leadership brand; the strategic thinking and planning and creating a strategic roadmap; the project management principles, planning and scheduling techniques and managing project risks and contingencies; building and leading diverse engineering teams; and the effective team communication and collaboration.

During this interactive course, participants will learn to motivate and empower team members; resolve conflicts and promote a positive work culture; the decision-making and problem solving, innovation and change management; managing engineering resources effectively and optimizing resource allocation; the effective communication strategies, influencing and persuading skills, active listening and feedback techniques; the ethical issues and dilemmas in engineering organizations; ensuring compliance with laws and regulations; the intellectual property protection and managing conflicts of interest; developing leadership skills and creating a personal development plan; building professional relationships; and navigating career advancement opportunities.



Course Objectives

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

- Apply and gain an in-depth knowledge on engineering management
- Explain the role, key responsibilities and challenges of engineering managers
- Develop a management mind set and build a personal leadership brand
- Carryout strategic thinking and planning and create a strategic roadmap
- Explain project management principles, plan and schedule techniques and manage project risks and contingencies
- Build and lead diverse engineering teams and apply effective team communication and collaboration
- Motivate and empower team members, resolve conflicts and promote a positive work culture
- Employ decision-making and problem solving as well as innovation and change management
- Manage engineering resources effectively and optimize resource allocation
- Apply effective communication strategies, influencing and persuading skills, active listening and feedback techniques
- Analyze the ethical issues and dilemmas in engineering organizations and ensure compliance with laws and regulations
- Carryout intellectual property protection and manage conflicts of interest
- Develop leadership skills, create a personal development plan, build professional relationships and navigate career advancement opportunities

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 engineering management for engineers, managers, supervisors and other technical staff.

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

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)

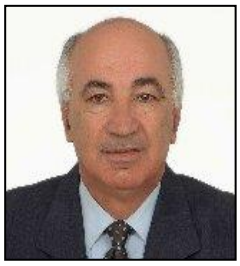
  Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** 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 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. Karl Thanasis, PEng, MSc, MBA, BSc, is a **Senior Management Consultant** with over **30 years** of practical experience within the **Oil**, **Gas**, **Refinery** and **Petrochemical** industries. His wide expertise includes **Root Cause Analysis**, **R&D** and **Research Management**, **Project Management**, **Human Resource Management**, **Human Resource Development**, **Learning & Development**, **Behaviour Based Interviewing & Recruitment**, **Emotional Intelligence**, **Project** Manager, **Contract** Management, **Technical** Management, **Technical & Site Managerial Leadership**, **Document Control Process & Practical Solutions**, **Production Planning**, **Scheduling**, **Construction Administration**, **Project Budget Development & Accountability**, **Engineering Drawings**, **Codes & Standards**, **P&ID Reading** and **Drawing Interpretation**. He is also well-versed in **Oil & Gas Field Commissioning**, **Start-Up & Troubleshooting**, **Oil Field Operations & Water Treatment**, **Process Plant Performance & Efficiency**, **Water Testing**, **Wastewater Treatment Technology**, **Industrial Water Treatment** in Refineries & Petrochemical Plants, **Piping System**, **Water Movement**, **Water Filtering**, **Mud Pumping**, **Sludge Treatment** and **Drying**, **Aerobic Process** of **Water Treatment** that includes **Aeration**, **Sedimentation** and **Chlorination Tanks**. His strong background also includes **Design** and **Sizing** of all **Waste Water Treatment Plant Associated Equipment** such as **Sludge Pumps**, **Filters**, **Metering Pumps**, **Aerators** and **Sludge Decanters**.

Mr. Thanasis has acquired his thorough and practical experience as the **Project Manager**, **Plant Manager**, **Area Manager - Equipment Construction**, **Construction Superintendent**, **Project Engineer** and **Design Engineer**. His duties covered **Plant Preliminary Design**, **Plant Operation**, **Write-up** of **Capital Proposal**, **Investment Approval**, **Bid Evaluation**, **Technical Contract Write-up**, **Construction** and **Sub-contractor Follow up**, **Lab Analysis**, **Sludge Drying** and **Management** of **Sludge Odor** and **Removal**. He has worked in various companies worldwide in the **USA**, **Germany**, **England** and **Greece**.

Mr. Thanasis is a **Registered Professional Engineer** in the **USA** and **Greece** and has a **Master** and **Bachelor** degrees in **Mechanical Engineering** with **Honours** from the **Purdue University** and **SIU** in **USA** respectively as well as an **MBA** from the **University of Phoenix** in **USA**. Further, he is a **Certified Internal Verifier/Trainer/Assessor** by the **Institute of Leadership & Management** (**ILM**) and a **Certified Instructor/Trainer**.

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 Fee

Madrid	**US$ 8,800** per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Dubai	**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.
Athens	**US$ 8,800** per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
London	**US$ 8,800** per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

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	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Introduction to Engineering Management*** *Role of the Engineering Manager ● Key Responsibilities & Challenges of Engineering Managers ● Developing a Management Mindset ● Building a Personal Leadership Brand*
0930 – 0945	*Break*
0945 – 1100	***Strategic Thinking & Planning*** *Strategic Planning in Engineering Organizations ● Analyzing the Competitive Landscape*
1100 – 1230	***Strategic Thinking & Planning (cont'd)*** *Setting Goals & Objectives*
1230 – 1245	*Break*
1245 – 1420	***Strategic Thinking & Planning (cont'd)*** *Creating a Strategic Roadmap*
1420 – 1430	***Recap***
1430	*Lunch & End of Day One*

Day 2

0730 – 0930	***Project Management Fundamentals*** *Project Management Principles ● Project Scope, Objectives & Deliverables*
0930 – 0945	*Break*
0945 – 1100	***Project Management Fundamentals (cont'd)*** *Planning & Scheduling Techniques ● Managing Project Risks & Contingencies*
1100 – 1230	***Leading High-Performing Engineering Teams*** *Building & Leading Diverse Teams ● Effective Team Communication & Collaboration*
1230 – 1245	*Break*
1245 – 1420	***Leading High-Performing Engineering Teams (cont'd)*** *Motivating & Empowering Team Members ● Resolving Conflicts & Promoting a Positive Work Culture*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Two*

Day 3

0730 – 0930	***Decision-Making & Problem-Solving*** *The Decision-Making Process in Engineering Management ● Analytical & Critical Thinking Techniques*
0930 – 0945	*Break*
0945 – 1100	***Decision-Making & Problem-Solving (cont'd)*** *Evaluating Alternatives & Making Informed Decisions ● Problem-Solving Methodologies*
1100 – 1230	***Innovation & Change Management*** *Fostering a Culture of Innovation in Engineering Organizations ● Managing Technological Disruptions & Change*
1230 – 1245	*Break*
1245 – 1420	***Innovation & Change Management (cont'd)*** *Implementing Continuous Improvement Initiatives ● Encouraging Creativity & Experimentation*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Three*

Day 4

0730 – 0930	***Resource Management & Optimization*** *Managing Engineering Resources Effectively ● Budgeting & Cost Control Principles*
0930 – 0945	*Break*
0945 – 1100	***Resource Management & Optimization (cont'd)*** *Optimizing Resource Allocation ● Managing Outsourcing & vendor relationships*
1100 – 1230	***Communication & Presentation Skills*** *Effective Communication Strategies for Engineering Managers ● Influencing & Persuading Stakeholders*
1230 – 1245	*Break*
1245 – 1420	***Communication & Presentation Skills (cont'd)*** *Presenting Technical Information to Non-Technical Audiences ● Active Listening & Feedback Techniques*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Four*

Day 5

0730 – 0930	***Ethical & Legal Considerations in Engineering Management*** *Ethical Issues & Dilemmas in Engineering Organizations ● Ensuring Compliance with Laws & Regulations*
0930 – 0945	***Ethical & Legal Considerations in Engineering Management (cont'd)*** *Intellectual Property Protection ● Managing Conflicts of Interest*
0945 – 1100	*Break*
1100 – 1230	***Leadership Development & Career Growth*** *Developing Leadership Skills for Long-Term Success ● Creating a Personal Development Plan*
1230 – 1245	*Break*
1245 - 1345	***Leadership Development & Career Growth (cont'd)*** *Networking & Building Professional Relationships ● Navigating Career Advancement Opportunities*
1345 – 1400	***Course Conclusion***
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

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