

ICE Training courses in Egypt

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About CEC Training – Consulting Engineering Center

About CEC

CEC “Consulting Engineering Center” LLC is a multi-discipline consultancy headquartered in Cairo, Egypt that delivers Architecture, Engineering, Project Management, Consulting and Training Services for Building, Infrastructure, and Energy Sectors. CEC has more than 33 years of Experience in the MENA market and the first company to be listed in the Greenbooklive for international BREEAM Scheme assessments in Egypt.

CEC is registered in the Egyptian Syndicate of Engineers as an Expertise House, which is the highest level of registration in Egypt, where just 20 consultancy offices have awarded this registration.

ISO and OHSAS Recognition

CEC is an integrated quality oriented firm according to ISO 9001:2008, ISO 14001:2004, and OHSAS 18001:2007 standards.

“ CEC is proud to partner with the Institution of Civil Engineers (ICE) from the United Kingdom to offer a wide range of courses in Egypt. ICE is one of the world’s leading civil engineering institutions and has been around for almost 200 years.

All the training courses were priced affordably for the Egyptian market, covers a variety of management and engineering custom that are locally and internationally recognised.

Our main goals are to build a strong link to transfer experience through the interaction between the ICE international experience and CEC local ones and support Egyptian engineers with their CPD career international development. ”

Karim M.Z. Attallah
Managing Director-CEC



Benefits of training with us

- Offer a wide range of management and engineering courses.
- Courses certified by the Institution of Civil Engineers (ICE), UK.
- Locally and internationally recognized custom and tailored courses.
- Support engineers CPD international career development.
- Help engineers to improve their skills and development.
- Keeping engineers skills, knowledge and experience up to date.
- Courses all over Egypt through our great network.



About – ICE Training

ICE Training is the training arm of the Institution of Civil Engineers (ICE) and the leading provider of specialist training for civil engineers, project managers and construction professionals.

Why choose us?

- The leading provider of specialist training courses for civil engineering and construction professionals
- A high standard of course content, developed and delivered by chartered engineers and industry experts
- Alignment with current industry requirements and latest government initiatives, enriching your knowledge of the profession
- Training programmes that contribute to your professional development with ICE
- Interactive learning that offers networking and knowledge-sharing opportunities
- Flexible delivery of training courses



Classroom



In-house



eLearning

Mission and Values

ICE Training's mission is to provide a high standard of training to engineering and construction professionals.

Our work reflects the values and practices of ICE - to deliver knowledge and excellence worldwide, through life-long learning and professional development.

“ Here at ICE, we are committed to being at the forefront of knowledge transfer. This includes setting standards, influencing policy makers and regulators, and challenging the status quo, with a view to identifying and promoting best practice. ICE develops training to stimulate industry engagement and meet these objectives. ”

Margaret Sackey,

Chair, ICE Health and Safety Expert Panel
CEng MICE, PgC, CMIOSH, FMAPS, MIIAI,
ICE H&S Register (A)

90%

of our training customers
would recommend ICE
Training courses to others.

ICE members get an
exclusive discount.



Welcome message from our International Membership



Catherine Cole
International
Director, ICE

Your platform to succeed **ICE is the world's leading civil engineering institution.**

“ Our professional qualifications are unrivalled in quality and recognised around the world. Becoming a qualified engineering technician, incorporated or chartered engineer with ICE will boost your status and open the door to a great career. You earn the title EngTech MICE, IEng MICE or CEng MICE.

Beyond these qualifications, ICE fellowship is the ultimate mark of distinction for experts operating at the top of the profession.

When you become a member, you join our global community of 90,000 civil engineering professionals. With members in over 150 countries around the world, you will get to meet like-minded people, employers and engineers who have reached the peak of the profession.

You will also have access to a huge pool of resources. This gives you limitless opportunities to learn and keep your knowledge fresh throughout your career. ”



Become an ICE Member

Join the world's leading civil engineering institution

Whether you are just starting out in civil engineering or you have reached the pinnacle of the profession, there is a grade of ICE membership that will help you build a successful career.

You can enhance your status with our internationally-recognised professional qualifications of technician, incorporated and chartered engineer (EngTech MICE, IEng MICE and CEng MICE). Find out more about how to become professionally qualified with ICE below. As you work towards these, get all the support you need as a **graduate member** of ICE.

Alternatively, if you are currently studying civil engineering or a related course, our **FREE student membership** is a great way to build a successful future. And for leaders of the profession, **ICE fellowship** (FICE) is the ultimate mark of distinction.

How to become professionally qualified with ICE

Becoming professionally qualified is a combination of your **academic achievements**, your **work experience** and an **assessment** (*Professional Review*).

There are number of options, depending on your experience and qualifications. Our flexible processes are tailored to your needs and could mean you are just a step away from applying for the professional qualification you seek.

Your academic qualifications

To become professionally qualified depends on your level of engineering knowledge, which is often demonstrated by your academic qualifications. You can find out if your course is accredited for the level you want using the course search tool on our website (ice.org.uk/coursesearch).

If your course is not accredited, don't worry, there are lots of other options. Contact our International Membership Manager who can advise you on what to do next:

internationalmndo@ice.org.uk or +44 (0)20 7665 2214.

Your work experience (*initial professional development*)

Initial professional development (IPD) is where you develop the work-based experience you need to become professionally qualified. There are a number of options to complete your IPD for IEng MICE or CEng MICE:

- Enrol on an ICE Training Scheme, a structured training programme run by your employer. Check if your employer runs a scheme using the approved employer search tool on our website. ice.org.uk/approvedemployers
- Sign up for ICE's unique mentor-supported training. Similar to the ICE Training Scheme, except you manage your own training with support from a mentor

Of course, if you are an experienced engineer you may already have the

work-based experience you need. If that is the case, you won't need any more training to progress. To discuss your next step, contact our International Membership Manager: internationalmndo@ice.org.uk or +44 (0)20 7665 2214.

Pass our assessment (*Professional Review*)

The Professional Review is the final stage in your professional qualification. It is an assessment where you demonstrate that you have the attributes of either IEng MICE or CEng MICE, or have achieved the required EngTech MICE standards.

With the support of qualified sponsors, you will need to prepare a review submission or application. Next is your review day, which includes a face-to-face interview with two experienced qualified members where you discuss your submission and demonstrate your abilities.

We are here to help you prepare for every aspect of your review, including a range of webinars and training courses.

You can find out more about the Professional Review on page 7 of this literature or on the ICE website (ice.org.uk/review).

Take your next step

For more information and advice on your next step, visit ice.org.uk/membership, or contact our International Membership Manager: internationalmndo@ice.org.uk or +44 (0)20 7665 2214



Become an ICE member

The mark of **success**

**ICE membership will help you build
a successful career**

- Enhance your status with our internationally-recognised professional qualifications of technician, incorporated and chartered engineer (EngTech MICE, IEng MICE and CEng MICE)
- Boost your ongoing career development through our knowledge hub and lifelong learning resources
- Take advantage of unparalleled networking opportunities through our global civil engineering community



Join the world's leading
civil engineering institution

ice.org.uk/join

ICE UK Courses

Your Professional Review Preparation and the Review Day (Roots to Membership)

This ICE Training eLearning course, comprising two modules, will help you prepare your submission and demonstrate competence at the Review day. It is recommended to those applying for

- Member Professional Review (MPR)
- Chartered Professional Review (CPR)
- Chartered Professional Review Progressive (CPRP)

Supervising Civil Engineers and Delegated Engineers who are guiding a Graduate and are looking for full clarity on what aspects of the Review to cover will also find these modules useful.



Duration

6 hours



eLearning training



To book

w training.ceceg.com

t +2 (02) 22902469 – 24182279

e training@ceceg.com

BIM Implementation: Putting People First

A useful training course that illustrates the changes in behaviour and culture required for the successful roll-out of BIM across a project or organisation. The programme focusses on putting people first, and the skills leaders need to motivate their teams and implement BIM Level 2 culture.



Duration

6 hours



Classroom training



To book

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ICE UK Courses

Project Cost Management Estimating, Budgeting and Value

This programme considers the Environment Impact Assessments in the context of sustainability and sustainable development. It looks at the processes and procedures and utilises a number of case studies and group exercises to illustrate and demonstrate Environmental Impact Assessments (EIA) in practice.

- The project budget - What is the project budget and how does it compare to the final cost
- Cost estimating - How do we develop an estimate of the cost - and does this differ between client, designer and contractor
- Risk and value - How are risk and value incorporated into the budget



Duration

6 hours



Classroom training



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Sustainable Development Design, Construction and Maintenance

This training course will encourage you to consider your projects differently and equip you with the tools and know-how to revise your design decisions, construction processes and maintenance plans in a sustainable way.

You will be able to assess the impact and returns for your decisions, undertaking a technology, ecology and commercial benefit analysis through case study and group exercise.



Duration

6 hours



Classroom training



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eLearning Courses from ICE

A convenient online alternative to classroom based training courses

Plan your eLearning with us

KEY COMPLEMENTING COURSE

| | | CAREER STAGE | | | |
|----------------|--------------|--|--|--|-------------------------|
| | | EARLY | | MID | ANY |
| LEARNING LEVEL | INTRODUCTION | Principles of Construction Contracts | APMP | Construction Contract strategy for International Markets | Project Cost Management |
| | | Introduction to Project Management | Project Management for Civil Engineers and Construction Professional + APMP exam | | |
| | EXPERIENCED | Project Business Case | Project Scope Management | Project Management for Civil Engineers and Construction Professional + APMP exam | |
| | | Project Communication Management | Project Risk Management | | |
| | | Project Contract Management | Project Quality Management | | |
| | | Project Cost Management | Project Planning | | |
| | | Project Governance | Project Governance | | |
| | | Project Planning | Project Cost Management | | |
| | | Project Quality Management | Project Contract Management | | |
| | | Project Risk Management | Project Communication Management | | |
| | | Project Scope Management | Project Business Case | | |
| | ADVANCED | Your Professional Review | eCDM | | |
| | | eCDM | | | |
| | ANY | Technical Business Report and Business Writing | Your Professional Review | | eCDM Test eCDM |

ICE UK Courses

Environmental Impact Assessments

A Practical Guide

This programme considers the Environment Impact Assessments in the context of sustainability and sustainable development. It looks at the processes and procedures and utilises a number of case studies and group exercises to illustrate and demonstrate Environmental Impact Assessments (EIA) in practice.



Duration

6 hours



Classroom training



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Essentials of Health and Safety in Construction

This comprehensive training considers the whole spectrum of health and safety regulation and guidance for the construction industry. Aimed at all sectors, it raises awareness and offers pan-discipline guidance and practical advice.

Key topics:

- Management of Health and Safety.
- Insights into Health protection.
- Health and Safety in practice.



Duration

18 hours



Classroom training



To book

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ICE UK Courses

Principles of Construction Contracts

The commercial management and delivery of projects is driven by the construction contract and this targeted programme will improve your ability to deliver your construction projects effectively.

It is applicable across the construction sector, whether you work for client, consultant or contractor and across all the main contract forms.



Duration

12 hours



Classroom training



To book

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Construction Contract Strategy for International Markets

This training course will provide you with the necessary information to be able to develop a high level business strategy, conduct a successful portfolio analysis and review your procurement options so that you choose the right contracts for your project portfolio.



Duration

30 mins



eLearning training



To book

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e training@ceceg.com



ICE UK Courses

Construction Project Management

This training course has been specifically developed to align with the CIOB 5th edition of the 'Code of Practice for Project Management for Construction and Development', which includes the BIM mandate and the environmental mandate.

The programme is ideal for those who will use the code of practice in the workplace and also those who wish to understand best practice in project and construction management.


Duration

12 hours


Classroom training

To book

w training.ceceg.com

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e training@ceceg.com

Construction Waste and Waste Management

This programme will encourage you to consider your projects differently and will equip you with the tools and understanding to implement waste minimisation and management strategies at all stages of a building or structure's life cycle.


Duration

6 hours


Classroom training

To book

w training.ceceg.com

t +2 (02) 22902469 – 24182279

e training@ceceg.com





NEC eLearning

NEC online training enables you to gain comprehensive and clear understanding of the NEC3 suite of contracts at anytime, anywhere in the world at your own pace.

Introductory

- Introduction to NEC3
- Introduction to the Engineering and Construction Contract
- Introduction to the Term Service Contract
- Introduction to the Professional Services Contract
- Introduction to the Professional Services Short Contract

Experienced

- International Application of NEC3 and Comparison to FIDIC and NEC3 as an EPC Contract
- Disallowed Cost under the ECC

Advanced

- Programme Provisions under NEC3 Contracts
- Role of the ECC Supervisor
- Managing the TSC Contractor's Plan and Programme



To view full details about each course and to book, visit necontract.com/training

Notes

Discover the most comprehensive online civil engineering resource in the world



ICE Specialist Engineering Journals

Proceedings of the ICE – Bridge Engineering
Proceedings of the ICE – Civil Engineering
Proceedings of the ICE – Construction Materials
Proceedings of the ICE – Energy
Proceedings of the ICE – Engineering and Computational Mechanics
Proceedings of the ICE – Engineering History and Heritage
Proceedings of the ICE – Engineering Sustainability
Proceedings of the ICE – Forensic Engineering
Proceedings of the ICE – Geotechnical Engineering
Proceedings of the ICE – Ground Improvement
Proceedings of the ICE – Management, Procurement and Law
Proceedings of the ICE – Maritime Engineering
Proceedings of the ICE – Municipal Engineer
Proceedings of the ICE – Structures and Buildings
Proceedings of the ICE – Transport
Proceedings of the ICE – Urban Design and Planning
Proceedings of the ICE – Waste and Resource Management
Proceedings of the ICE – Water Management

ICE Publishing Journals

Advances in Cement Research
Dams and Reservoirs
Environmental Geotechnics
Geosynthetics International
Geotechnical Research
Géotechnique
Géotechnique Letters
Infrastructure Asset Management
International Journal of Physical Modelling in Geotechnics
Journal of Environmental Engineering and Science
Magazine of Concrete Research

ICE Science Journals

Bioinspired, Biomimetic and Nanobiomaterials
Emerging Materials Research
Green Materials
Nanomaterials and Energy
Surface Innovations

ICE Publishing, established in 1836, publish journals that deliver cutting-edge research for academics, researchers, and practitioners in the fields of civil engineering, construction, and materials science

Institution of Civil Engineers History

ICE was founded in 1818 by a small group of idealistic young men. We were granted a royal charter in 1828 where we declared that our aim was to “foster and promote the art and science of civil engineering”.

That is still our aim today. Now the number of members has grown, and ICE represents around 80,000 members worldwide.

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