

UK's Chartered Civil Engineers and their recognition in Europe and beyond

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Director of Membership

ice.org.uk

Registered charity number 210252
Charity registered in Scotland number SC038629

INSTITUTION OF CIVIL ENGINEERS

Founded in 1818, ICE has become recognised worldwide for its excellence as :

- A learned society
 - Sharing knowledge and developing ICE's members' skills
- A qualifying body
 - Setting the standards for professional recognition



CIVIL ENGINEERING AND THE ICE

“The object of the Institution is to foster and promote the art and science of civil engineering”

“directing the great sources of power in nature for the use and convenience of man...”

Royal Charter 1828



INSTITUTION OF CIVIL ENGINEERS

■ ICE is a UK-based organisation with a global engagement . HQ is in London



- Over 80,000 members in over 150 countries, 20% of which live and work outside the UK
- 79 ICE Representatives
- 12 UK Regional Committees
- 30 International Regional Committees (including Joint Groups)

Professionally Qualified Membership

Three Professionally Qualified grades:

- **Technician:** Technician Member registered as an Engineering Technician (**Eng Tech TMICE**)
- **Incorporated:** Member registered as an Incorporated Engineer (**IEng MICE**): often referred elsewhere as *Technologist*
- **Chartered:** Member registered as a Chartered Engineer (**CEng MICE**)

Qualification Stages



Student member



Graduate member



Professionally Qualified Member



Stage 1: Benchmark Educational Base

Chartered Civil Engineer:

level of qualification 11 (e) for the purposes of recognition under Directive 2005/36/EC,

Academic qualification recognised under the Washington Accord

Qualifications assessed as equivalent to an accredited UK 4-year MEng degree in civil engineering = Bologna Second Cycle (Masters),

Stage 2: Initial Professional Development

- Initial Professional Development (IPD) is workplace experience that develops competence:
- IPD is defined by ICE's 15 Development Objectives (ICE 3005)
- There is no time-limit for IPD
 - For a Chartered Civil Engineer: typically 3 to 6 years post academic qualification

Stage 3: Professional Review

At Professional Review the candidate is required to demonstrate, 9 attributes:

- ✓ Engineering Knowledge and Understanding
- ✓ Engineering Application
- ✓ Management & Leadership
- ✓ Independent Judgment and Responsibility
- ✓ Commercial Ability
- ✓ Health, Safety & Welfare
- ✓ Sustainable Development
- ✓ Interpersonal Skills and Communication
- ✓ Professional commitment



ICE's European Members

- More than 2,000 Members practicing and working in 39 countries across Europe
- Top countries represented:
 - Ireland
 - France
 - Cyprus
 - Spain
 - Germany
- Over 50% non-UK nationals:
 - Irish, Greek, Cypriot, Italian and Spanish

Application of EU Directive 2005/36/EC for civil engineers in the UK

- The profession of civil engineer is not regulated in the UK. Membership of ICE is therefore not required in order to work in the UK.
- The protected titles of CEng MICE, IEng MICE and EngTech TMICE **are regulated** under the Directive.
- **The Directive does not guarantee automatic registration with ICE.** ICE assesses the applicant's academic qualifications and professional experience against its own standards and criteria.
- **This year, to date, ICE has received 37 applications:**

Chartered Civil Engineers – Beyond Europe

- ICE has over 14,300 members living and working outside of Europe
 - 2,600 Middle East and Africa
 - 1,500 Americas
 - 10,200 Asia Pacific
- Mutual Exemption Agreements:
 - Australia, New Zealand, Hong Kong, and South Africa

Chartered Civil Engineers – beyond Europe

- Agreements of Cooperation:
 - Over 40 including: Bahamas, Jordan, Brazil, China, Tanzania...
- Growth areas:
 - China mainland (235) 20%
 - India (720) 17%
 - Australasia (1560) 8.5%

Washington Accord

- Signed 1989
- an agreement among bodies responsible for accrediting engineering degree programs.
- substantial equivalency of programs for meeting the academic requirements for entry to the practice of engineering at Chartered Engineer level
- Washington Accord Signatories:
 - Australia, Canada, Hong Kong (95), Chinese Taipei (07), Ireland, Japan (05), Korea (07), Malaysia (09), New Zealand, Singapore (06), South Africa (99), Turkey (11), UK and USA

**For more information visit
ICE's website:
www.ice.org.uk/membership**

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