

What is ICE?

Civil engineers design,  
build, maintain and  
improve the modern  
world around us.

ICE is a global membership organisation that promotes and advances civil engineering around the world.

Our purpose is to qualify professionals engaged in civil engineering, exchange knowledge and best practice, and promote their contribution to society.

Our members help to create the structures and systems that sustain society. They are responsible for designing, building, maintaining and improving bridges, roads, canals, docks, office buildings, hospitals, schools, airports, power stations, railways, flood defences, water-treatment facilities... everywhere.



We make sure that the high standards needed to become a professional civil engineer are met. Professionals who are awarded membership of our Institution are among **the best in the world**.



There is more than one way to qualify as a member of our Institution. We welcome engineers, technicians and others who develop the built and natural environment. Several types of membership are available to reflect different achievements. People can apply for membership at any stage of their career, from student to senior engineer.

People applying to become professionally qualified civil engineers must have a good understanding of basic engineering principles and the construction process and show that they are competent. A peer review tests whether they have the full range of skills necessary to qualify as a member.

We also help our members to develop throughout their working life. We provide scholarships, prizes and awards. We also publish books and journals, and offer training and recruitment services through our commercial company, Thomas Telford Limited (TTL). This business earns vital profits that help us do everything that makes our organisation what it is: a leading professional Institution.

Our members have a high level of professional knowledge and make the best use of scarce resources, taking account of the environment and health and safety. Membership is recognised as an international standard of quality and allows a professional civil engineer to practise in most countries of the world.

# 79,432

members as at December 2006

# 53,251

working members as at December 2006

In the UK, we talk to national and local government and to the media. **Our experts give informed comments** to journalists, politicians and the public.

We let politicians know what our members think. We give our opinion to government in writing and in person, and encourage our members to comment on consultation documents.

We represent the profession by answering journalists' questions, on the radio and on TV, online and in print.

We publish reports on civil engineering issues. Our State of the Nation reports give facts and opinions about the UK's infrastructure, covering transport, energy, water, health and safety, skills, sustainability, and other areas our members are involved in.

In addition we develop reports that focus on subjects such as flooding, congestion charging, high-speed rail, road pricing, and public infrastructure procurement.

Politicians, the press and the public use our material as a source of expert opinion and advice.



We talk to the schools and universities who educate the civil engineers of the future. This helps to make sure their education and training is of the **highest possible standard**, which promotes excellence in the profession.

We encourage students at school and university to become the civil engineers that companies want. We also make sure their education delivers the standards needed for the future.

We are one of the organisations that sets the standard for civil engineering courses run by universities in the UK, and some overseas. All civil engineering students are eligible for free ICE student membership.



Our opinions are respected because of the professional experience that supports them. We encourage **knowledge to be shared** throughout the industry and beyond. We help to make sure that civil engineering is creative, safe and successful.

We provide the knowledge that civil engineers need. Ours is the most in-depth civil engineering and construction library in the world. Its services are available to members across the world, and can be accessed by anybody online through our website. Our virtual library gives access to the largest store of civil engineering papers in the world. It is available at [ice.org.uk/library](http://ice.org.uk/library)

We have members from a wide range of specialisms in civil engineering. We publish papers, guides, reports and briefing sheets. We organise lectures, meetings, conferences and competitions and award prizes. We also manage research projects with other organisations.

To make sure there are excellent standards across the profession, our members must follow a code of professional conduct and we offer them advice on ethical best practice. Health and safety is vital to everything civil engineers do, and we have a dedicated group of experts who provide knowledge on the subject.

We have developed flexible partnering contracts to be used on civil engineering projects. If there are problems, our dispute resolution service can help to sort them out.

# 150

countries with ICE presence  
as at December 2006

# 1818

date ICE was established

We encourage development that meets the needs of today and **protects the interests of tomorrow.**

Civil engineers look at what society needs and think of ways to help solve today's problems. Because sustainable development is important, we encourage economic growth in a way that protects the environment and does not cause problems for future generations.

We expect every member to understand and promote sustainable development and the need to deliver projects that take appropriate account of environmental, social and economic factors.



We value the differences that men and women with **different backgrounds, skills and abilities** bring to civil engineering and to ICE.

We promote awareness of equal opportunities through training and the media. We also aim to research and reduce obstacles to equal opportunities and to challenge and eliminate unfair or unlawful discrimination.

We make sure our members and our employees value people with different backgrounds, skills and abilities and encourage their involvement in civil engineering.



# ICE near you



150 countries with ICE presence: [ice.org.uk/nearyou](http://ice.org.uk/nearyou)

Information as at December 2006

[ice.org.uk](http://ice.org.uk)

# ice

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## Mixed Sources

Product group from well-managed forests and recycled wood or fiber

Cert no. SA-COC-1654 CQ  
www.fsc.org  
© 1996 Forest Stewardship Council



This guide has been clarity-checked and awarded the Clear English Standard by Plain Language Commission ([www.clearest.co.uk](http://www.clearest.co.uk)), which promotes clear and concise communication in documents and on websites.

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