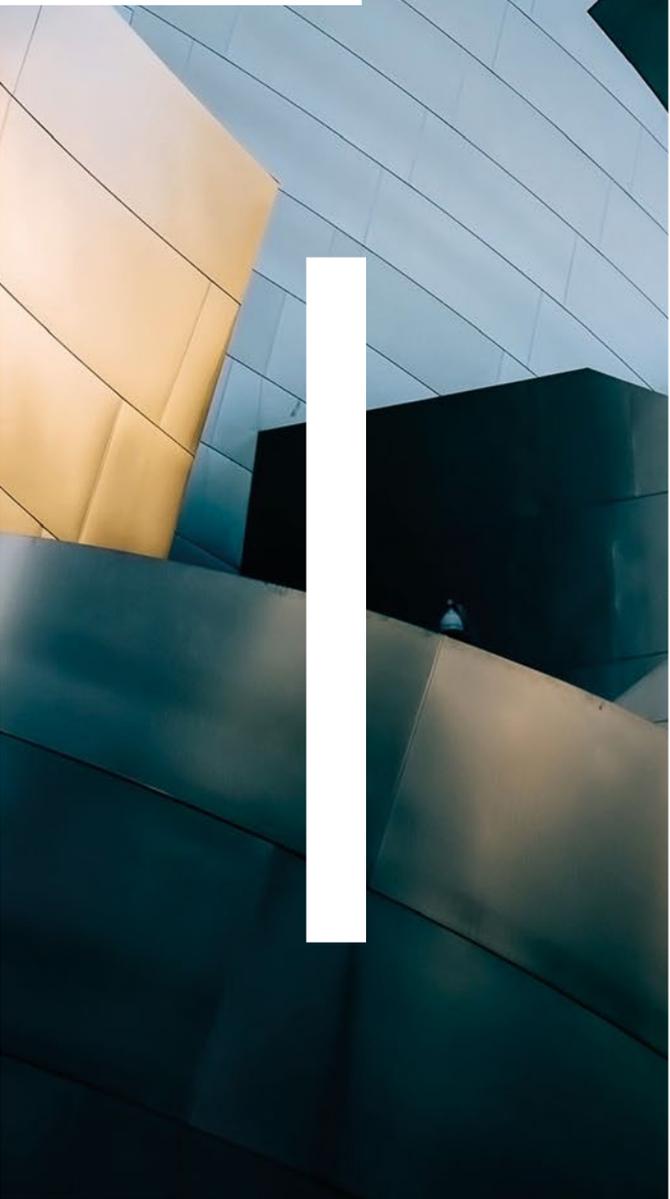


Architectural Technology

The Profession





Architectural Technology

An essential function of design



Heydar Aliyev Cultural Centre, Zaha Hadid Architects

Architectural Technology professionals are innovators creating and adapting environments for future generations to live, work and play.

The discipline

Architectural Technology is the technology of architecture; a creative, innovative design discipline rooted in science and engineering.

It forms the link between design and realisation. At its core, is the anatomy and physiology of a building or structure, its relation to context, how it is assembled and how it performs through form, function and fabric.

Architectural Technology achieves efficient and effective construction and robust sustainable design solutions that perform and endure over time.

It is an evolving discipline with constant technological advancements in design, construction and the maintenance of living environments.

Chartered Architectural Technologists

Chartered Architectural Technologists are qualified to offer design services and manage projects from inception to completion. They lead the technological design of a project; forming the link between concept, innovation and realisation. They:

- specialise in design, underpinned by building science, engineering and technology applied to architecture within projects, playing a pivotal role in project and design management;
- design and manage all project types from small scale to large commercial, industrial, residential and public projects; they range from being sole practitioners to working in multinational and multidisciplinary practices;
- work collaboratively with other professionals such as architects and engineers and are recognised on a par with all Chartered professionals in the built environment sector; and
- hold a valued, respected and regulated professional qualification and protected designation, which is transferable and recognised across borders and can only be awarded by the Chartered Institute of Architectural Technologists, whilst abiding by a set of professional ethics in the Institute's *Code of Conduct*.

Relevance and importance

Architectural Technology as a key design function is necessary to achieve buildability, usability and create inclusive environments.

The discipline encompasses the impact of social, economic, cultural, environmental, technological and political frameworks on the built and natural environment in an international context.

Architectural Technology considers health and safety, welfare and ethical issues, quality of life and social well-being. This ensures that the diverse needs and requirements of all are recognised and users can benefit from the building or space regardless of difference.

Architectural Technology professionals are innovators creating and adapting environments for future generations to live, work and play. They understand how materials and components behave and interact, which is critical to avoiding premature failure and ensuring quality standards of design and construction. They are key members of BIM and SMART building teams.



Case study: Neil Kee MCIAT

Director and Head of Design Studio, Dubai.
Benoy Architects and Master Planners.

Neil Kee is a Chartered Architectural Technologist who works as a Director and Head of Design Studio at Benoy, a multi-award winning architecture, master planning, interior and graphic design studio.



Terminal 4, Changi Airport, Benoy



Neil successfully attained his professional qualification as a Chartered Architectural Technologist whilst based in Hong Kong. His career has developed through a wish to travel and experience various worldwide markets. He continually strives to secure the most exciting projects so that he can design and deliver to the best of his ability as a specialist in Architectural Technology.

Neil Kee MCIAT



His day-to-day activities in the office include leading his design team and explaining his concept ideas in order to move the project forward. Neil also ensures that time is spent on detail design and drawings. His position within the company requires him to explore potential new clients and to present Benoy's latest capabilities to them. Neil's projects have included the new Changi Airport Terminal 4 in Singapore and Ferrari World in Abu Dhabi.

When on site, as the project lead, Neil is either meeting with the contractor and sub-contractors to resolve design and details in large workshops, or meeting with the client to present Benoy's latest concept information or to resolve design issues.



Chartered Institute of Architectural Technologists (CIAT)

Setting the standard

CIAT is a
membership
organisation that:

- leads and promotes the discipline of Architectural Technology;
- sets and maintains the standards of education through Accreditation of qualifications at Honours and Masters degree level;
- sets and maintains the standards of practice through professional qualifications, the Code of Conduct and continuing professional development;
- collaborates with similar bodies to improve knowledge, skills and professionalism within the built environment (see back cover); and
- recognises excellence in Architectural Technology through its Awards.

Formal
recognition:

- Royal Charter bestowed by UK Government's Privy Council;
- protected descriptor 'Chartered Architectural Technologist';
- competent Authority for Chartered Architectural Technologists in the EU;
- specific educational standards developed by UK and Irish governments in recognition of the distinct nature of Architectural Technology;
- principal member of the Association of European Experts in Buildings and Construction (AEEBC);
- licensed to offer the Chartered Environmentalist qualification to suitably experienced Chartered Architectural Technologists, on behalf of the Society for the Environment;
- member of the International Ethics Standards Coalition;
- full member of UK's Construction Industry Council; and
- member of the UK Green Building Council (UKGBC).





Chartered Architectural Technologists, MCIAT

Recognition and reputation

- Recognised as a regulated profession by the EU Commission.
- Recognised in UK Government's Standard Occupational Classifications document alongside architects and surveyors.
- Recognised by UK funding agencies and Council of Mortgage Lenders to monitor building work and provide the lender's Professional Consultant's Certificate.
- Recognised by the UK public sector on an equivalent basis as other Chartered professionals.
- Participate in UK Government's Building Regulation Advisory Committee and other influential committees and groups.
- CIAT-Accredited Conservationists, who must also be Chartered Architectural Technologists, are recognised by UK grant funding bodies as the project lead on building conservation and heritage projects.
- Awarded direct access to the Construction Skills Certification Scheme in the UK.

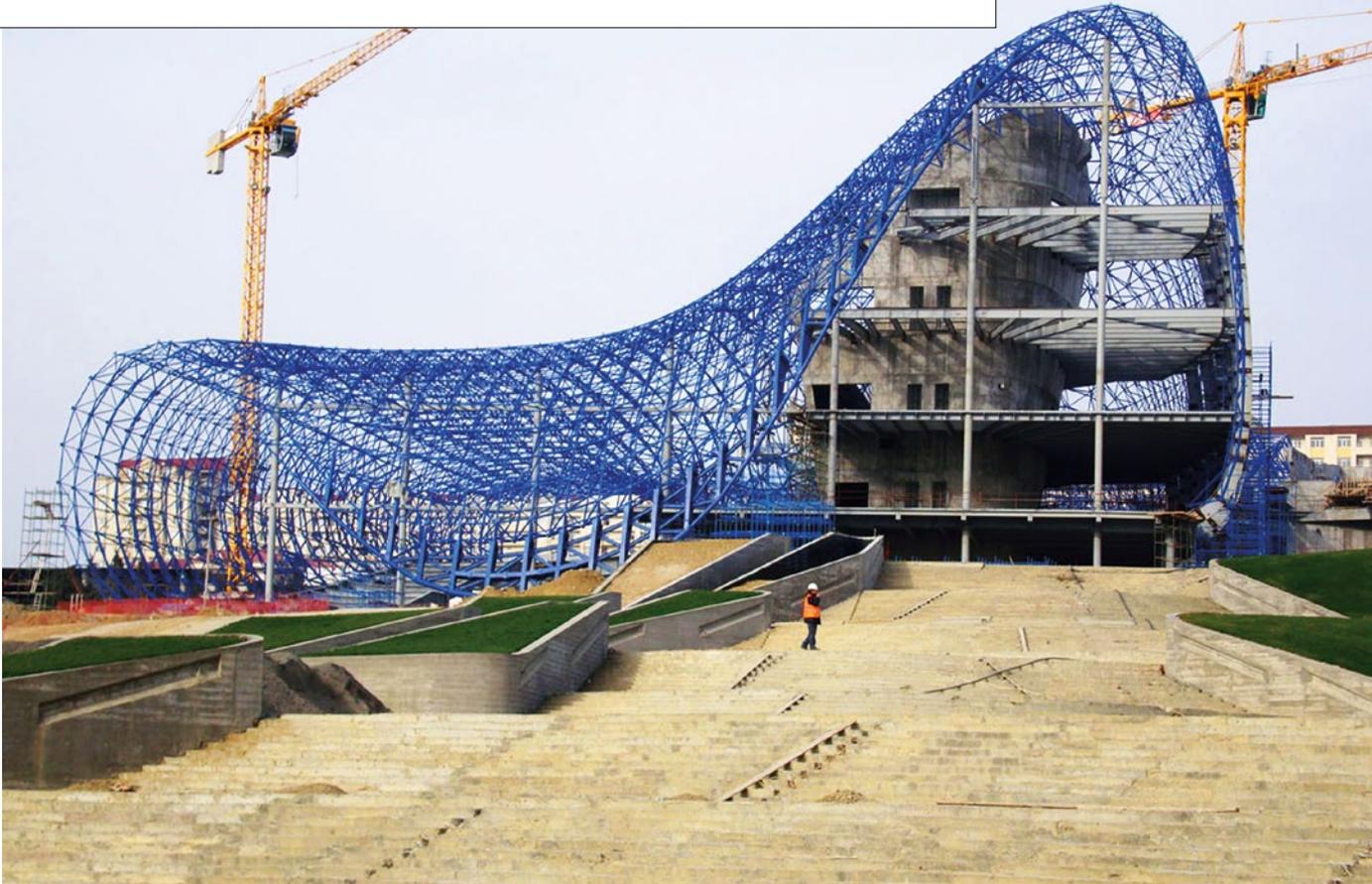


Attaining Chartered Architectural Technologist status

A framework for success

You can become a Chartered Architectural Technologist by completing CIAT's membership process, the Professional Assessment, which is measured against the Institute's *Professional Standards Framework*.

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This *Framework* illustrates the standards for education, practice and professionalism that applicants must satisfy to achieve Chartered Membership and to use the protected title of Chartered Architectural Technologist.

In order to successfully pass the Professional Assessment, applicants must:

- hold an Accredited Honours degree or equivalent;
- undergo an assessment of work experience; and
- undertake a Professional Interview.

CIAT's educational standards have been developed in conjunction with the UK's Quality Assurance Agency for Honours and Masters degree level qualifications in Architectural Technology. Such programmes are designed and delivered by educational establishments and are Accredited by CIAT internationally.

The practice standards are measured through an evaluation of an applicant's knowledge, experience, skills and professionalism.

The Professional Interview process is designed to reflect the broad range of professional practice within Architectural Technology. The interview determines an applicant's ability to engage, communicate and interact in a professional, ethical and knowledgeable manner.

All Chartered Members must be aware of their professional limitations and obligations relating to the Institute's *Code of Conduct* and must maintain currency of qualification through CPD.

Other grades of membership are available to those studying and working in the discipline.

The Institute runs a Group Membership Scheme (GMS) that offers support and assistance for large organisations.

Please visit ciat.org.uk for further information.





Architectural Technology Awards

Outstanding achievements

The Institute's annual AT Awards are regarded as the premier accolades for outstanding achievement in the discipline nationally and internationally. They recognise excellence in practice, academia and research.

The finalist projects demonstrate current innovations and developments in the discipline and industry. The Awards are an essential benchmark for the critical role of Architectural Technology in contributing to building sustainable futures with functioning and inspiring spaces.

For full details, please visit:
ciat.org.uk/awards.html



**Chartered Institute of
Architectural Technologists**
397 City Road
London EC1V 1NH

+44(0)20 7278 2206
info@ciat.org.uk
ciat.org.uk

in /Chartered Institute of Architectural Technologists
@ /CIATechnologist
f /CIATechnologist
• /CIATechnologist
• @CIATechnologist

Collaborations

Umbrella Bodies



Centres of Excellence



Business



Professional Institutes

