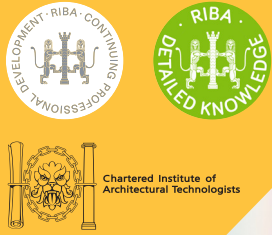


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Core CPD 2020

Webinars and speakers

Equality, Diversity and Inclusion: policy, strategy and delivery in business

Diversity and Inclusion relies on the principle of equity, is underpinned by legislation and delivers social and business value. This interactive webinar will enhance your understanding of ED&I whilst also providing greater awareness of its legal and business case and will help you identify tools to review and update your strategy and discuss initiatives for impact.

Speaker: Teri Okoro, TOCA

Designing for fire safety in residential buildings

The construction industry is under pressure and scrutiny in relation to fire safety and design compliance. Compliance is paramount, and this starts with good design. This webinar will address ways in which you, as designers, navigate the current guidance and legislative maze and how designs continue through to construction and completion as safe buildings. This webinar will outline the key principles of fire safety design.

Speaker: Colin Blatchford Brown, Blatchford Brown Limited

Business resilience: managing a business in uncertain times

A successful firm of architects needs to balance the delivery of high-quality architecture with the careful management of the business. This webinar will provide you with helpful and practical tips on running a successful practice in challenging times, targeted at both experienced and less experienced practitioners.

Speaker: Peter Farrell, University of Liverpool

Design risk management: managing health and life safety

Risk is often misinterpreted as being a malign influence on projects leading to injuries or deaths, business failures, or other catastrophic events. However, risk can also bring enormous rewards, benefits and success when it is channelled appropriately. This webinar will help you understand how to manage the collaborative and strategic design process to achieve acceptable or tolerable solutions without construction or maintenance risks.

Speaker: Paul Bussey, Allford Hall Monaghan Morris or Tony Putzman, Xenophon Project Services Limited

Managing client relationships: how effective communication and documentation leads to successful projects

When dealing with the many varied tasks that running an architectural project entails, it is easy to focus on getting the job done ahead of communicating effectively with your client or keeping on top of your project documentation. Using practical and actionable guidance, this webinar will demonstrate how these steps can be used as positive tools for managing the client experience, resulting in improved project success and practice efficiency

Speaker: Jane Middlehurst, Poulson Middlehurst and Mark Pritchard, Howard Kennedy

The principles of building physics and energy-efficient strategies

When considering the principles of building physics and climate-responsive design, it is important to focus on how these may impact energy demand, carbon emissions, occupant comfort and well-being. This webinar will highlight important environmental design aspects, which are recommended to be considered during early design stages and will introduce tools which can assist during the design process.

Speaker: Herman Calleja, chapmanbdsp

Inclusive design: small changes, big impact

How can you deliver the highest standards of access and inclusion? This webinar will, by examining the principles and processes of inclusive design, understanding what best practice looks like and recognising common design pitfalls, illustrate how even small changes can result in big impacts.

Speaker: Julie Fleck, Strategic Access and Inclusive Design Adviser

Place making, what's the future of place?

What makes a great place, what are the drivers for change and what are the future priorities for shaping places? The role of design is important in creating places and delivering homes of the future. This webinar will provide an understanding of the cultural, social and technical challenges of shaping spaces. It will offer consideration of the diverse drivers for future places and the approaches that can be taken to design for change, giving a critical update on current policies, tools and standards.

Speaker: Juliet Bidgood, Juliet Bidgood A+U or Annabel Keegan, PJA

Energy retrofitting historic buildings

Twenty-five million UK homes will need to be energy-retrofitted over the next 30 years, including historic, listed and other hard to treat buildings. On an item by item basis, this webinar will illustrate the key energy saving opportunities within existing buildings and how to tailor a retrofit master plan. Knowledge will be shared based on completed examples, including deep energy retrofits to EnerPHit, Carbon Lite and Energie-Sprong standards.

Speaker: Tomas Gaertner, SE3D

An architect's guide to designing out terrorism

There is nothing new about terrorism in the UK and we have learned a lot from its history over the past 100 years and beyond. This webinar will demonstrate how good design can reduce opportunities for terrorist's activity, as well as casualties should a terrorist attack occur. Using case studies and simulation, the session will discuss mitigation measures during concept and design stages.

Speaker: Chris Phillips, IPPSO Ltd

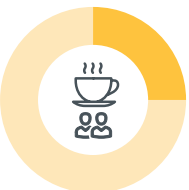
Times and Dates

AM 9.30am - 12pm	Mid 11am - 1.30pm	PM 2pm - 4.30pm
06 Aug	24 Nov	07 Oct
10 Sep	22 Oct	02 Dec
19 Nov	20 Aug	13 Oct
15 Oct	18 Nov	02 Sep
09 Sep	03 Dec	21 Oct
08 Oct	17 Nov	01 Sep
11 Nov	29 Oct	15 Sep
28 Oct	10 Nov	16 Sep
26 Nov	03 Sep	20 Oct
14 Oct	08 Sep	01 Dec

Time allocation for your CPD



25%
Reading



25%
Other informal
CPD



50% or more
Structured CPD
(required)

Core Curriculum

The RIBA Digital CPD programme is designed to help you get the CPD you need.

Whether it's structured or informal, if you can learn from it, you can make it count. Methods of CPD learning are as diverse as the topics they can cover and can be completed easily through seminars, articles, podcasts and online learning, or even factory tours and trade show visits. However, the RIBA Core CPD 2020 programme can provide you with all your core requirement needs.

You are able to dictate the route your Continuing Professional Development takes, choosing the subjects that will strengthen your expertise and broaden your knowledge.

Webinar titles

Equality, Diversity and Inclusion: policy, strategy and delivery in business
Designing for fire safety in residential buildings
Business resilience: managing a business in uncertain times
Design risk management: managing health and life safety
Managing client relationships: how effective communication and documentation leads to successful projects
The principles of building physics and energy-efficient strategies
Inclusive design: small changes, big impact
Place making, what's the future of place?
Energy retrofitting historic buildings
An architect's guide to designing out terrorism

Your CPD enables you to plan your career, strengthen your business, update your knowledge and acquire new skills and specialisms in an increasingly competitive market.

Requirements for RIBA chartered members:

- 35 hours of CPD input per year: at least 50% should be 'structured' learning e.g. seminars
- 20 of the 35 hours should come from the 10 RIBA CPD Core Curriculum topics (2 hours per topic per year)
- Award at least 100 points to the annual CPD activities carried out
- Record your CPD activities online for evidence of compliance

Core curriculum topics

1. Architecture for social purpose	3. Business, clients and services	4. Legal, regulatory and statutory compliance
2. Health, safety and wellbeing	4. Legal, regulatory and statutory compliance	3. Business, clients and services
3. Business, clients and services	5. Procurement and contracts	4. Legal, regulatory and statutory compliance
4. Legal, regulatory and statutory compliance	2. Health, safety and wellbeing	3. Business, clients and services
5. Procurement and contracts	3. Business, clients and services	4. Legal, regulatory and statutory compliance
6. Sustainable architecture	10. Design, construction and technology	3. Business, clients and services
7. Inclusive environments	1. Architecture for social purpose	2. Health, safety and wellbeing
8. Places, planning and communities	7. Inclusive environments	2. Health, safety and wellbeing
9. Building conservation and heritage	6. Sustainable architecture	4. Legal, regulatory and statutory compliance
10. Design, construction and technology	2. Health, safety and wellbeing	4. Legal, regulatory and statutory compliance

Record your CPD activities on the RIBA's new mobile friendly platform.

You can record on your mobile at the end of a CPD session, or wherever and whenever is convenient for you. Recording your CPD on this platform is an obligation. It allows you to demonstrate your competence and professionalism, in order to maintain your chartered status. We regularly audit records to check compliance. **Get started at the My Account area on www.architecture.com**

Updating our knowledge and increasing our expertise, through CPD is essential to the development of a contemporary professional architect, as an individual, within a business and part of a profession. Hence I am very pleased the 2020 RIBA Core CPD programme offers such a broad range of topics that are so timely.

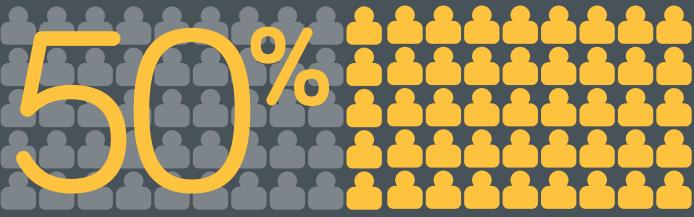
Alan Jones, RIBA President

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- Pay-as-you-go: purchase webinars individually

CPD Club Ticket

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CPD Club benefits

- One place at each of the 10 Core CPD webinars
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- 20+ hours of RIBA Core Curriculum training
- Helps you achieve your annual RIBA CPD requirements

Join the RIBA CPD Club to keep up to date, develop knowledge and meet fellow industry professionals.

£ Club Ticket (10 webinars)	£ Pay-as-you-go
<ul style="list-style-type: none">• RIBA/CIAT members £300 + VAT• RIBA Chartered Practices £412 + VAT• Non-RIBA members £600 + VAT	<ul style="list-style-type: none">• RIBA members £47 + VAT• RIBA student members £15 + VAT• Non-RIBA members £94 + VAT

The Royal Society of Architects in Wales (RSAW) offers a separate CPD programme for all practices working in Wales, tailored to reflect the devolved legislative and cultural context. To request a programme contact 029 2022 8987 rsaw@riba.org or see www.architecture.com/wales.

How to book

1. Book your Club Ticket online at www.architecture.com/RIBA-Academy Navigate to the Learning Programme and select RIBA Core CPD Digital Club Ticket
2. Alternatively, email your request to support@academy.riba.org

Equality, Diversity and Inclusion in business

Diversity and Inclusion relies on the principle of equity, is underpinned by legislation and delivers social and business value. This interactive webinar will enhance your understanding of ED&I, whilst also providing greater awareness of its legal and business case. It will help you identify tools to review and update your strategy and discuss initiatives for impact.

This session will provide an introductory overview which will enable you to make a difference within the context of both small and large organisations. Providing an improved understanding of the tripartite nature – knowledge, behaviour and attitude, you will be able to explore and prioritise actions and identify a pathway to measurable and sustained improvement.

In detail, this webinar will discuss:

- UK Equalities legislation; the implication for individuals and businesses
- Business value and wider benefits
- Inclusive leadership
- Assessing your context
- Unconscious Bias
- Formulating a strategy
- Policies
- Difficult conversations and workplace culture



Speaker: Teri Okoro, TOCA

Dr Teri Okoro is director of TOCA, a design and project management consultancy. Dual qualified as an architect and chartered project professional, she is a fellow of both RIBA and APM, the Chartered Body for the Project Profession. Teri sits on the Diversity and Inclusion Panel of the Construction Industry Council and has over twenty years' experience of leading on diversity and inclusion in practice and strategically at board level. An inclusion influencer and strategic change advocate, she authored APM's thought leadership paper on diversity and inclusion as well as writing and presenting extensively in the UK and internationally.

Designing for fire safety

The construction industry is under pressure and scrutiny in relation to fire safety and design compliance. Compliance is paramount, and this starts with good design.

The session will provide a clear understanding of the basic fire safety principles, review how to choose the right fire safety strategy, discuss the way passive and active fire safety measures can be best used and show how to achieve compliance effectively. Using real world examples and case studies, this webinar will provide you with confidence on when to challenge and seek further information.

The webinar will include details of prescriptive requirements & guidance (Approved Document B vs BS9991)

- Fire safety strategy principles: risk management, systems approach and layers of protection
- Fire safety design principles: passive and active protection
- External wall construction
- Residential sprinkler systems
- Means of warning and evacuation strategies, including inclusive means
- Materials, workmanship, quality control and site inspection
- Future regulatory oversight, competence regime and the Hackitt review



Speaker: Colin Blatchford Brown, Blatchford Brown Limited

Colin is a chartered building control surveyor with over thirty years' experience across both public and private sectors of the profession. With a wide range of project involvement,

he is currently working on the Hinkley Point C power station scheme as well as the redevelopment of Wimbledon Stadium and numerous other large-scale projects. Colin is a fellow of the Royal Institution of Chartered Surveyors and a regular presenter on building regulations and fire safety.

Business resilience

A successful firm of architects needs to balance the delivery of high-quality architecture with the careful management of the business. In times of uncertainty, the fast pace of modern practice can sometimes make it difficult to see the big picture and consider future opportunities and threats. This webinar will provide you with helpful and practical tips on running a successful practice and is targeted at both experienced and less experienced practitioners.

Whether the practice wishes to grow, move into new sectors, or simply maintain its current operation, this interactive session will explain why a plan is important, covering the following:

Internally focused concerns: operational factors

- Your business and future aspirations
- Understanding your strengths and the possible threats
- Impact on working capital and cash flow at times of growth and recession
- Using practice data to maximise profit
- Your business plan, implementation and monitoring
- Your office team, using unique skills
- Planning for uncertainty, considering resilience

Externally targeted issues

- Understanding your markets and trends, maintaining a competitive edge
- New sectors, diversification of service, opportunities and risks
- Increasing your profile, targeting changes in perception
- Getting the message out there and using social media

Implementing and monitoring the plan

- This CPD will focus on "How you can achieve your targets and build in resilience", using case studies with an interactive exercise and helpful tips



Speaker: Peter Farrall, University of Liverpool

Peter is an architect with 25 years' experience as a partner at a small multidisciplinary firm of architects and quantity surveyors, Design Group Chester (DGC). In 2015, he became a full-time member of the academic staff at Liverpool University School of Architecture, where he is responsible for delivering practice management lectures and running the fourth year of the MArch programme. Prior to joining DGC, Peter worked for a number of larger practices in the North West. He is closely involved with the RIBA, President Emeritus of the Liverpool Architectural Society, and has served on the National Council.

Managing health and life safety

Risk is often misinterpreted as being a malign influence on projects leading to injuries or deaths, business failures, or other catastrophic events. However, risk can also bring enormous rewards, benefits and success when it is channelled appropriately. Design risk management is, or indeed should be, a core skill of all architects or other overarching designers of civil engineering or other building structures. It is the proportionate consideration and integration of all related design issues that contribute to the final design solution on all building projects. Every project is unique with its own challenges and opportunities which need to be weighed up by the entire project team and a collaborative solution agreed. Where alternative views occur, the Principal Designer needs to reconcile these and with the client's buy-in orchestrate an appropriate design solution.

This webinar is intended to help project leading designers understand the methodologies and processes by which good design risk management can be executed and allow other specialist designers to realise how they can assist the process.



Speaker: Paul Bussey, AHMM

Paul is an architect with over 40 years of experience in Architectural practices in both the UK and abroad. Having worked as a team member and project architect on a multitude of projects he has experienced design risk management in all its manifestations. He currently leads AHMM's Building regulatory technical contributions on CDM, Fire and Inclusive design on a wide range of projects across the practice facilitating compliance with design excellence.



Speaker: Tony Putsmas, XPS Limited

A chartered civil engineer and qualified trainer and coach, Tony developed a keen interest in the people aspect of construction whilst working for major contractors including Taylor Woodrow and Kier International. He set up his own risk management consultancy in 2002 and has worked with clients in all sectors of the industry, as well as leading professional institutions including the Royal Institute of British Architects (RIBA) and the Institution of Civil Engineers (ICE). Tony is co-author of *Practical guide to using the CDM Regulations 2015 – Teamwork not Paperwork*, ICE Publishing, published in April 2015.

Managing client relationships

When dealing with the many varied tasks that running an architectural project entails, it is easy to focus on getting the job done ahead of communicating effectively with your client or keeping on top of your project documentation. At best this can lead to confused, anxious or unhappy clients; at worst to the breakdown of the working relationship, unsuccessful project outcomes and the associated legal or financial repercussions that may follow.

Using practical and actionable guidance, this webinar will demonstrate how effective communication and project documentation can be used as positive tools for managing the client experience, resulting in improved project success and practice efficiency.

Specifically, this webinar will look at:

- Methods to recognise potentially negative aspects of the client/architect relationships and strategies to turn them into positive ones
- Listening techniques to aid effective communication, better understand clients' needs and create meaningful briefs
- Examples of how to use the brief as live project document, to communicate and map changes in projects, and how this can inform future projects
- How to recognise and utilise the appropriate real time dispute avoidance methods and mitigation strategies during the currency of a project to enable timely and cost-effective project delivery by maintaining relationships within the project team
- The function and key principles of professional services contracts and how they can be used throughout a project as a framework for client management



Speaker: Jane Middlehurst, Poulosom Middlehurst

Jane is a RIBA chartered architect and RIBA client adviser who has been working with, and learning from clients for the past seven years through her architecture practice Poulosom Middlehurst. Her first experience of guiding

clients through the architectural process led to the creation of HomeNotes, a client advice service providing support through group workshops, online learning and one-to-one consultations. Jane is passionate about understanding the client experience and using this as a positive influence to improve the architectural process. She is an experienced speaker, delivering group workshops, online webinars and external talks.



Speaker: Mark Pritchard, Howard Kennedy

Mark is a solicitor and construction specialist for Howard Kennedy with over ten years' experience in high profile and complex dispute resolution. He advises members of the construction industry on risk during the lifespan of a project, from initial procurement to the settlement of disputes during the project and after completion. He has clients across the construction industry, including architects, structural engineers and quantity surveyors, as well as corporate and institutional clients, from national house builders, international energy companies, banks and other law firms. In addition to his experience in real time dispute resolution, he has conducted complex litigation in the TCC, Administrative Court and Court of Appeal. He has lectured within his industry and externally to clients on construction matters, particularly around risk and dispute avoidance.

The principles of building physics

When considering the principles of building physics and climate-responsive design, it is important to focus on how these may impact energy demand, carbon emissions, occupant comfort and well-being. This webinar will highlight important environmental design aspects, which are recommended to be considered during early design stages and will introduce tools which can assist during the design process.

In detail, this webinar will look to enhance your knowledge in the following areas:

- The energy balance principle and how different building fabric parameters and internal heat gains influence energy demand; including building form, glazing ratios, u-values, g-values and particularly infiltration and ventilation
- Thermal comfort assessment methods for mechanically ventilated buildings and the application of adaptive comfort models for naturally ventilated spaces
- Climate analysis to identify the effectiveness and potential of different passive design strategies such as thermal mass and natural ventilation
- Overheating risk assessments in line with CIBSE TM52 and TM59 methodologies. This is a very important aspect, especially when considering higher summer temperatures and the increase in heat waves frequency
- Different natural ventilation strategies, including single-sided, cross-ventilation and stack effect. Aspects related to mechanical ventilation
- Visual comfort and daylighting principles including daylight factors, climate-based daylight modelling and circadian daylighting
- Outdoor comfort assessments with reference to the Universal Thermal Climate Index and Lawson criteria
- Wellbeing: the impact of temperature, humidity, daylighting and indoor air quality on wellbeing, highlighting target design criteria and best practice recommendations



Speaker: Herman Calleja, chapmanbdsp

Herman is an associate environmental consultant and head of R&D at chapmanbdsp, where he has collaborated with various design teams on residential and non-domestic schemes of different scales with regards

to occupant comfort, façade design and low energy strategies. He completed, with distinction, the AA MARCH SED programme in 2012, where he currently teaches. Herman has practiced as an architect, is RIBA chartered and a BREEMAM accredited professional. He presented to CIBSE YEPG, at PLEA, NCEUB and other conferences. He was on the CIBSE Building Simulation Group 2018 prize winning team and was recently selected for an EU COST collaboration.

Inclusive design

How can you deliver the highest standards of access and inclusion? This webinar will, by examining the principles and processes of inclusive design, understanding what best practice looks like and recognising common design pitfalls, illustrate how even small changes can result in big impacts.

This webinar will help you understand how working with clients and users can champion the diverse benefits of inclusion and gain a deeper knowledge in the following areas:

- What are inclusive design principles and processes?
- Who is responsible for implementing and achieving an inclusive environment?
- Summary of the relevant planning, building and equality legislation
- The practice of inclusive design: when and how it is addressed in the development process
- Learning from best practice case study examples
- Common pitfalls in the design of specific building elements and their impact on different people



Speaker: Julie Fleck, Strategic Access and Inclusive Design Adviser

Julie was a town planner before specialising in inclusive design. Her work on various national access committees and at the Greater London Authority has helped to improve national planning policy and the building regulations. Following London 2012, the most accessible Olympic and Paralympic Games ever, Julie lead the BEPE project, a Government Paralympic Legacy project aimed at stimulating a systematic change in how built environment professionals are taught inclusive design. Julie is a built environment expert for the Design Council and, for nearly 30 years, has helped BSI develop national accessibility standards. Julie's passion for making our built environment more accessible is clearly illustrated in her book *Are you an inclusive designer?*

Place making, what's the future of place?

What are the diverse futures of place? The role of design is important in creating places and delivering homes for the future. The interactive and informative webinar will be offering an understanding of the cultural, social and environmental challenges of shaping places. During this webinar, there will be discussion of how you, as architects, can broaden your knowledge to integrate public realm, movement planning and urban design in your practice and/or work collaboratively with other disciplines and communities.

In detail, the webinar will offer the following:

- Test how the NPPF and the forthcoming PPG on design can offer a better platform for architects to lead and contribute to positive place shaping
- Explore how drivers such as climate change, health and demography will inform place in the future
- Offer case studies and expand upon recent RIBA national initiatives such as Design Matters and Future Place
- Discuss opportunities to work together to strengthen expertise about the policies, tools and processes that can shape places such as design frameworks, codes, design guides, charrettes and national standards
- Explore case studies from the RIBA's Design Matters and Future Place initiatives, Public Practice, the national Design Network and more



Speaker: Juliet Bidgood, Juliet Bidgood A+U

Juliet is an architect/urbanist, who works at a range of scales and sees placemaking as a process of dialogue between architecture and urbanism. Her work is informed by action research and recent projects include CIAM6, Cities Re-imagined and Glastonbury Instant City. Juliet is a RIBA client adviser and was a senior adviser and enabler at CABE. She currently chairs a Housing Excellence Design Review panel for the SWDRP and the Bristol Urban Design Forum. As a founding partner of muf Architecture/Art, she created a shared body of work that has been widely published including the monograph *This is what we do*.



Speaker: Annabel Keegan, PJA

Annabel is a qualified urban designer and transport planner with a background in architecture. She has over eighteen years of experience in multidisciplinary consultant teams, specialising in the delivery of design-led projects. Annabel is currently a member of numerous national design review panels and is a BFL12 assessor. She leads the Birmingham Urban Design team at PJA and is involved in a range of project types from residential master planning to developing innovative street and public realm designs. Annabel is practically minded and passionate about achieving synergy between movement planning and urban design and can bring this experience to the training sessions.

Energy retrofitting historic buildings

80% of the current building stock will still be in use in 2050. To meet the UK's carbon targets, an estimated twenty-five million existing homes will need to be energy-retrofitted over the next 30 years, including historic, listed and other hard to treat buildings. Although a range of deep energy retrofit strategies and standards have evolved like Carbon Lite, EnerPHit and Energie-Sprong, there is no one-size-fits-all solution with historic buildings. Projects are often limited by materials, construction, the condition they are in or existing structure.

Successful energy retrofits are about striking the right balance. Understanding the opportunities and benefits in terms of energy savings, comfort, wellbeing and related costs for each individual measure is key to allowing designers and clients to make informed decisions. On an item by item basis, this webinar will illustrate the key energy saving opportunities within existing buildings and how to tailor a retrofit master plan. Knowledge will be shared based on completed examples, including deep energy retrofits to EnerPHit, Carbon Lite and Energie-Sprong standards.

This webinar will cover the following:

- What retrofit standards are out there and what's the difference
- What design tools to use, good practice guidance and industry standards
- How to avoid the pitfall: potential risks from insulating historic construction and best practice guidance relating to rising damp, condensation and radon
- On an item by item basis, comparison of which measures have the greatest impact on heat loss, comfort, costs and energy saving
- Potential impacts and benefits for ventilation, air quality, humidity, mould and wellbeing



Speaker: Tomas Gaertner, SE3D

Tomas is a chartered architect and a director of SE3D, a RIBA chartered practice specialising in human centered, high performance, healthy design.

Having specialised exclusively in low energy building design rooted in building physics throughout his career, Tomas was involved in a range of deep energy retrofits to Carbon Lite, EnerPHit and Energie Sprong standards. He is a founding director of the Building Biology Association, a certified Passivhaus designer and building biology consultant IBN and a regular speaker at RIBA and Green Register events, the UK Passivhaus conference and Ecobuild.

An architect's guide to designing out terrorism

There is nothing new about terrorism in the UK and we have learnt a lot from its history over the past 100 years and beyond.

This webinar will help you understand terrorism and terrorist tactics, allowing you to make decisions that could save lives.

This interactive webinar will provide an explanation of the current terrorist threats and how they may evolve in the future. Using case studies of actual attacks and exemplars across a range of typologies and scenarios, as well as original videos demonstrating how attacks have been planned and executed in the past, this webinar will focus on how building design, products and processes can be used to reduce opportunities for terrorist's activity, as well as casualties should a terrorist attack occur.

The webinar will include sections on:

- Blast, and how good design can mitigate the effects
- Glazing types to reduce casualties
- Understanding hostile vehicle mitigation
- Building lockdown
- Design measures e.g. mail rooms
- Protecting heritage buildings

A multi-media terrorist attack will be played towards the end of this webinar, where you are encouraged to come up with design solutions that could prevent or reduce casualties and injuries had this scenario been real.



Speaker: Chris Phillips, IPPSO Ltd

Chris is a consultant, speaker and recognised counter terrorism expert. He has written articles and is a commentator on policing, security and counter terrorism on all the main media outlets. He is a very experienced trainer. As head of the NaCTSO he was responsible for the crowded places protective security project.

The role involved providing counter terrorist advice to the crowded places sector, including architects, hotels, stadiums, shopping centres, visitor attractions and licensed premises. Chris is a graduate of the City and Guilds, a fellow of the Security Institute (Syl) and a fellow of the Chartered International Institute of Security and Crisis Management (CiSCM).

