

AEW Architects Knowledge Share Sessions





At AEW, we are committed to sharing our knowledge, experience and lessons learnt with our clients and wider design team network. It's an essential part of our continuous development.

The menu on the following pages is a cross section of the sessions we are able to offer to our clients and partners to help share this industry knowledge and experience.

Each session is led by one of our sector or service experts and can be hosted in person or digitally. Please get in touch with main@aeearchitects.com should you be interested in setting up a session.



BREEAM V7 Primer

BREEAM, the UK's most widely recognised environmental assessment method for non-domestic buildings has had a major update. Energy and carbon are key areas of change amongst a number of smaller but significant tweaks. This session aims to help you understand the implications of BREEAM v7 for your projects.

In this session we cover:

- + What is BREEAM?
- + Why has it been updated?
- + Key changes
- + Alignment with other standards
- + What do the changes mean in practice?



Demystifying Net Zero Carbon

In recent times Net Zero Carbon has been a key trend within the construction industry. However, the interpretation of Net Zero Carbon in practice has differed with a wide range of building performance being claimed to be Net Zero. This session aims to simplify this technical issue and explain the new UK Net Zero Carbon Buildings Standard.

In this session we cover:

- + What does Net Zero Carbon mean?
- + Why does Net Zero Carbon matter in the built environment?
- + The evolution of Net Zero Carbon definitions in UK construction
- + The new UK Net Zero Carbon Buildings Standard
- + Where do other environmental certification schemes such as BREEAM and NABERS fit in?



Passivhaus development, Parkmount in Manchester



What is Place-based Decarbonisation

Place-based decarbonisation and regenerative placemaking are gaining traction - but what do they really mean in practice? This session explores how a place-based approach can decarbonise existing assets while shaping new, sustainable communities, using a holistic, collaborative method that unlocks environmental, social and economic benefits through systems thinking.

In this session we cover:

- + What place-based decarbonisation and regenerative placemaking mean in practice
- + Applying place-based approaches to both existing assets and new developments
- + The role of collaboration across sectors, stakeholders, and disciplines
- + How systems thinking can unlock synergies and wider benefits
- + Real-world challenges and opportunities in delivering place-led sustainability initiatives



Demystifying Passivhaus

Passivhaus is a proven method for delivering best practice operational energy performance underpinned by over 30 years of data. This session aims to bust some myths about passivhaus (spoiler: it's not just houses!) and explain what lessons we can learn for high performance construction, whether a project seeks passivhaus certification or not.

In this session we cover:

- + What is passivhaus?
- + Benefits of a passivhaus approach
- + Busting myths
- + What does passivhaus project delivery look like?
- + Learning lessons from passivhaus



BREEAM Outstanding Cheadle Eco Park, Stockport



The Retrofit Opportunity

Around 80% of the UK buildings that will be standing in 2050 are already built. How do we tackle upgrading these buildings to be fit for a low carbon future and what opportunities are there for wider placemaking benefits? PAS2035 and PAS2038 standards have brought in lots of new jargon and process, we aim to get you up to speed on the basics as well as exploring what best practice looks like.

In this session we cover:

- + Why is retrofit so important?
- + What advantages can retrofit provide to wider communities?
- + PAS2035/PAS2038 primer
- + PAS 2035 in practice
- + What does best practice look like?



Building Safety Act - Getting Through the Gateways

With a number of secondary legislations now in place, our industry is faced with significant and much needed change. Dame Judith Hackitt has been clear, the Building Safety Act (BSA) should not be the reason for change. All projects, not just those involving High Risk Buildings, are subject to new regulatory reform. In this session, we'll look at what this means during the delivery and life-cycle of your project and our experience of the new procedures and Gateways.

In this session we cover:

- + BSA '22 Secondary Legislation
- + Higher Risk Buildings
- + The New Regime
- + Gateways 1, 2 and 3
- + Change Control
- + Golden Thread
- + The UK BIM Framework
- + BS 8644



Why BIM?

This session will provide key underpinning knowledge about what BIM is and, just as importantly, isn't. We will discuss the subject in its widest forms and navigate some of the key issues within our industry today. The learning outcomes from this session will provide you with the ability to understand and critique the subject and will provide you with a solid foundation for further development.

In this session we cover:

- + Historical context
- + Origins
- + The journey so far
- + Use cases
- + Links to sustainability
- + The future



The UK BIM Framework

Processes and standards play a huge part in the digitisation and process improvement we need to see in construction. This session will take you through several standards, with a particular focus on ISO 19650 and the UK BIM Framework.

In this session we cover:

- + The evolution of the framework
- + ISO 19650
- + The information delivery cycle
- + Responsibilities for appointing parties
- + Lead appointed parties



Four HRBs at Croydon Drive, Manchester



BIM Model of Cornerstone office, Stockport



Industrial Trends



Self-Storage



Rediscovering Town Centres



The Modern Workspace

This session will provide an overview of the current trends we are seeing in the industrial sector. Drawing on our vast sector experience, from large speculative logistics schemes to complicated end user led manufacturing facilities, we will use our expert knowledge to tailor a presentation to suit your needs. The session will focus on several case study projects, where we will highlight key elements of design and innovation and share best practice advice.

The self-storage sector tends to fly under the radar. However it is a flexible sector which has seen significant growth in recent years. With minimal parking requirements, low running costs and the capability to lend itself to a range of sites, it is proving to be a popular alternative for our developer clients. This session will provide a general overview of the self-storage sector, how it works, how it is designed and how it can create added value.

Cost of living, societal changes and altered work habits add to the list of external factors contributing to the changing face of our high streets and local centres. Retail isn't dead, rather traditional consumer habits have changed and high streets need to adapt to encourage footfall through alternative uses and curated experiences which capitalise on the uniqueness of the place. This session will explore the opportunity of the high street as a catalyst for regeneration and the key role local authorities and external funding can play in rediscovering our town centres.

The most important asset of any business is its people, but employers are finding that attracting and retaining talent is increasingly difficult in the post pandemic world of flexible working. The modern workspace has evolved as a result, with offices now needing to provide a setting for collaboration, a hub to encourage togetherness and respond to ESG aspirations of employees, customers and investors - all whilst remaining flexible, adaptable and viable. This session looks at how workspace is evolving and how institutional design can respond to the bespoke needs of clients and end users.

In this session we cover:

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- + Placemaking and user amenity
- + Landscaping, ecology and BNG
- + Quantum and scale (yards, building heights etc.)
- + Office and welfare spaces
- + Sustainability

- + Sector overview
- + Typical design and construction
- + New build and refurbishment
- + Operation and use
- + Maximising site potential
- + Case Study
- + Sustainability

In this session we cover:

- + The need
- + What is town centre regeneration?
- + How can it be achieved?
- + AEW case studies

In this session we cover:

- + Workspace post covid
- + Trends in workspace design
- + Sustainability and ESG
- + Cost effective, bespoke yet institutional design
- + AEW case studies





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