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CWCT AGM and Members' Meeting 2022

Sustainability of facades
Health and safety in facades

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Agenda – Sustainability

Time	Title	Speaker
10.30	Introduction	David Metcalfe, CWCT John Downes, Lendlease
10.45	Client view of sustainability	Helen Hare, GPE
11.10	Coffee	
11.30	Embodied carbon methodology for facades	Teni Ladipo, CWCT/Buro Happold Anna Wendt, Buro Happold
11.55	1 Triton Square – case study Challenges for the developer	Tim Downes, British Land
12.15	Panel Discussion	Saverio Pasetto, Skanska (Chair) Daniel Ward, Stanhope Peter Fisher, Bennetts Associates John Downes, Lendlease Aušra Vankevičiūtė, Staticus, Rebecca Hartwell, Cambridge University
13.00	Lunch	

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Agenda – Health and safety

Time	Title	Speaker
14.00	Safety by design	Paul Bussey, RIBA
14.25	The main contractor view	Simone Starnini, Sir Robert McAlpine
14.50	The specialist contractor view	Kate Hawkins, Stanmore
15.15	Collaborative Reporting for Safer Structures (CROSS)	Peter Wilkinson, CROSS
15.40	Discussion	
15.55	Closing remarks	Saverio Pasetto, Skanska
16.00	End and tea	

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Saverio Pasetto
CWCT Chairman

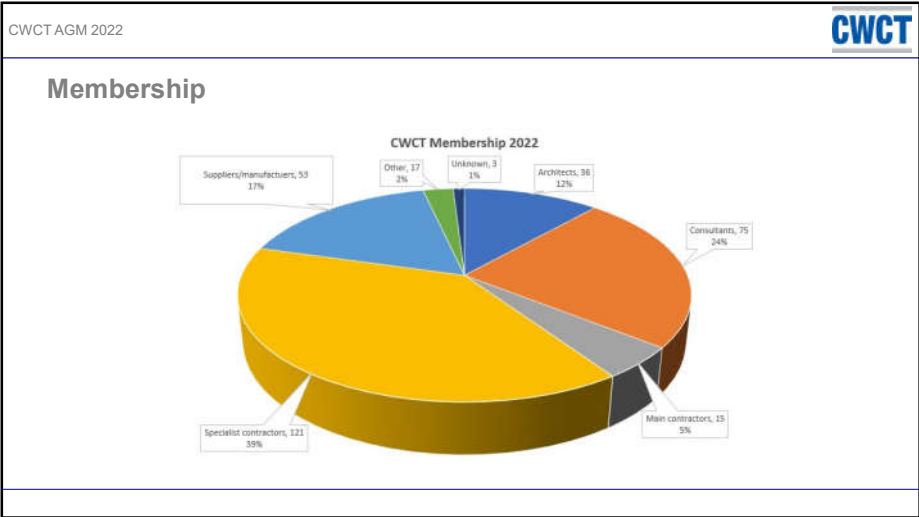
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CWCT Update

David Metcalfe
Director

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Sponsors of CWCT

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Communication

CWCT website

LinkedIn

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Mission statement

- ▶ *'To continue to improve the quality of the building envelope'*
- ▶ <https://www.cwct.co.uk/pages/mission-statement>
- ▶ Competence
 - ▶ Training
 - ▶ Technical guidance.


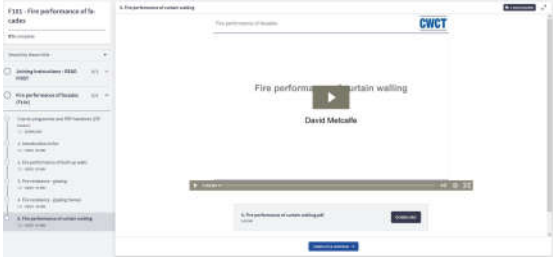
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Courses

- ▶ CTOL
- ▶ Online short courses
- ▶ MSc in Façade Engineering




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Building Safety Act 2022

- ▶ Received Royal Assent in April 2022
- ▶ Wide-ranging changes
 - ▶ A new Building Safety Regulator (within the HSE),
 - ▶ More rigorous regime for the planning, design, construction and operation of prescribed classes of buildings,
 - ▶ New planning and building control gateways,
 - ▶ Accountable persons,
 - ▶ Safety cases,
 - ▶ Statutory golden thread of information,
 - ▶ Provisions relating to construction products
 - ▶ And more...
- ▶ <https://www.legislation.gov.uk/ukpga/2022/30/contents/enacted>



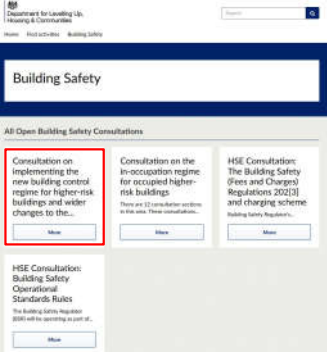
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Building Safety Act 2022

- ▶ Secondary legislation required,
- ▶ Consultations open,
 - ▶ <https://consult.leveellingup.gov.uk/building-safety-consultations/>
- ▶ Competence,
 - ▶ Contribution to Joint Competence Initiative.



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Building Safety Act 2022

Building Safety

A summary of the key points and definitions covered in or impacted by the Building Safety Act and the new Building Safety Regulations

Regulatory code for Great and Eastern London in the Building Safety Act

<https://www.cibse.org/policy-insight/key-policy-areas/building-safety-act>

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Ongoing work

- ▶ Fire
- ▶ Technical Notes
- ▶ Standard for systemised building envelopes
- ▶ Sustainability

How to calculate the embodied carbon of facades: A methodology

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Fire

- ▶ CWCT/SFE guide
- ▶ TN98 update
- ▶ PAS 9980
- ▶ Government funded research
- ▶ IFE/FIA special interests group

PAS 9980:2022 Fire risk appraisal of external wall construction and cladding of existing blocks of flats - Code of practice

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Technical Notes

- ▶ To be published;
 - ▶ TN101 – Investigating water leakage through the building envelope
 - ▶ TN102 – Decision tables for site watertightness testing of walls
 - ▶ TN103 – Test samples for stick curtain walling
 - ▶ TN104 – Cladding test specimens
 - ▶ TN105 – England 2021 Building regulation overview – Energy performance

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Technical Notes

- ▶ In preparation;
 - ▶ TN91 – Structural performance of systemised walls – bracket calculations
 - ▶ TN100 – Methods of testing glass balustrades
 - ▶ TN106 – 109 – Further thermal TN's
 - ▶ TN110 – Condensation
 - ▶ TN111 – Overhead glazing

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Standard for systemised building envelopes

- ▶ Updating the CWCT Standard
 - ▶ A huge task!
- ▶ Your feedback is welcomed
 - ▶ Issues with the current Standard
 - ▶ Omissions from the current Standard
- ▶ Please email cwct@cwct.co.uk if you would like to provide feedback.



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Sustainability

- ▶ Publications
- ▶ Sustainability stories
- ▶ Workstreams
- ▶ Other articles
- ▶ <https://www.cwct.co.uk/pages/sustainability-1>



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Sustainability publications



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Sustainability stories

- ▶ Sustainability stories
 - ▶ *'A collection of short stories highlighting great work at the intersection of sustainability and facades. Our members' stories curated by the CWCT'*
 - ▶ Tell us what you are doing to improve the sustainability in your company or on your project
 - ▶ Not just about carbon
 - ▶ **Inspire others!**

▶ <https://www.cwct.co.uk/pages/sustainability-stories>

SUSTAINABILITY STORIES

A collection of short stories highlighting great work at the intersection of sustainability and facades. Our members' stories, curated by the CWCT, showcase a variety of approaches to improving the built environment's sustainability.

CLIMATE CHANGE READY
The team at the facade, designed for the UK's net-zero target, is a leading example of the industry's response.

PREFABRICATED TIMBER PACKAGE
A range of prefabricated timber packages, including facade, cladding, insulation, and glazing, is available for use in a variety of projects.

CARBON NEUTRAL OPERATIONS
A range of products and services, including facade, cladding, insulation, and glazing, is available for use in a variety of projects.

ENHANCING BIODIVERSITY
A range of products and services, including facade, cladding, insulation, and glazing, is available for use in a variety of projects.

DESIGNING OUT CARBON
A range of products and services, including facade, cladding, insulation, and glazing, is available for use in a variety of projects.

MONITORING EMISSIONS IN FABRICATION
A range of products and services, including facade, cladding, insulation, and glazing, is available for use in a variety of projects.

CHALLENGE THE BRIEF
A range of products and services, including facade, cladding, insulation, and glazing, is available for use in a variety of projects.

REUSING COMPONENTS
A range of products and services, including facade, cladding, insulation, and glazing, is available for use in a variety of projects.

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Sustainability workstreams

- ▶ 6 current workstreams;
 - ▶ **Embodied carbon methodology**
 - ▶ Refurbishment
 - ▶ Circularity
 - ▶ Sustainability plan of work
 - ▶ Carbon thread
 - ▶ LCA, EPD, PCR

▶ <https://www.cwct.co.uk/pages/sustainability-workstreams>

How to calculate the embodied carbon of facades: A methodology

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Contact details

- ▶ If you have any comments/ideas etc, please get in touch;
 - ▶ cwct@cwct.co.uk

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TECHNOLOGY

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