

Core CPD 2020



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 seminar 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 seminar 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

[Click the dates below to book](#)

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.



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Core Curriculum topics:

1. Building conservation and heritage
2. Sustainable architecture
3. Legal, regulatory and statutory compliance

Dates:

Tuesday 11 February, London PM
Tuesday 25 February, Cambridge
Thursday 05 March, Crawley
Thursday 12 March, Chelmsford
Wednesday 18 March, Bath
Wednesday 25 March, Reading
Thursday 23 April, London AM
Wednesday 29 April, Manchester
Thursday 07 May, Birmingham
Thursday 25 June, Norwich (City)
Wednesday 08 July, Nottingham
Wednesday 16 September, Hereford (City)
Wednesday 23 September, Leeds
Wednesday 07 October, Salisbury (City)
Thursday 15 October, St Albans (City)
Tuesday 20 October, Exeter
Thursday 05 November, Liverpool (City)
Thursday 12 November, Truro (City)
Thursday 10 December, Gateshead (City)

Fee:

Core Pay-As-You-Go (2.5hrs)

RIBA Members	£47+VAT
RIBA Student Members	£15+VAT
Non-RIBA Members	£94+VAT

City Pay-As-You-Go (1-day)

RIBA Members	£108+VAT
RIBA Student Members	£50+VAT
Non-RIBA Members	£216+VAT

Alternatively, purchase an RIBA CORE or CITY Club Ticket which allows access to all 10 seminar topics in one location. A club ticket will ensure that you easily complete your core requirement CPD needs.

