

Presentation Timetable – Friday 19th April

10:00 – 10:45 | An Introduction to Passivhaus with The Passivhaus Trust (featuring Expert Intros) – Alan Budden, [Eco Design Consultants](#)

Introduction to Passivhaus Principles from Alan Budden & expert elevator pitches.

10:45 – 11:15 | Keeping cool in summer despite rising summer temperatures – Iga Panczyna, [Allan Corfield Architects](#)

Passive houses are designed to maintain comfortable indoor temperatures all year – round, this includes the summer months when temperatures in UK rise. With the climate changes, the risk of your future home overheating has increased and, in this talk, Iga Panczyna, an ACA Architect and Passive House Consultant will elaborate on design principles and strategies to futureproof your new home.

11:15 – 11:45 | The Wallform Passivhaus – 25 Years on – Robin Miller, [Beco Wallform](#)

The presentation reflects on the original development of the isorast (aka Wallform) ICF building system for Passivhaus construction and lessons learned from the original designs and technology.

11:45 – 12:30 | Passive EcoWall and Operational Embodied Carbon – Neil Turner, [Ecological Building Systems](#)

Passive EcoWall a low carbon with high thermal performance for timber frame building systems which incorporates wood fibre insulation, airtightness components and re-cycled thermal bridging products with embodied carbon performance.

12:30 – 13:00 | Why is efficient heat recovery ventilation key to good indoor air quality & energy savings in a Passivhaus? – Andrew Clapton, [Total Home Environment](#)

What heat recovery ventilation is, what you need to consider in the house design and domestic hot water requirements, together with any minimal heating and cooling you may need.

Short break for 1:2:1 appointments / GUIDED PASSIVHAUS TOUR (Must book at Booking Desk)

14:00 – 14:30 | Air and wind tightness in low-energy building design – Jack Howard, [Partel](#)

The importance of air and wind tightness in energy-efficient building design. It is led by one of Partel's Certified Passive House Designers and discusses the value behind making the right design choices to begin, identifying the correct products for the project brief as well as then crucially the correct installation and application on site.

14:30 – 15:00 | Windows – how to optimise them for comfort and cost – TBC, [21 Degrees](#)

Get an understanding of the characteristics of windows suitable for Passivhaus projects.

15:00 – 15:30 | Why internal surface temperature and good thermal bridge free design is so important - especially in retrofits – Alan Budden, [Eco Design Consultants](#)

Ensuring internal surface temperatures are over 17 degrees, keeping buildings mould free.

15:30 – 16:00 | How to heat a new build Passivhaus and a Passivhaus retrofit – Q&A Session with Total Home Environment, Eco Design Consultants & Ben Adam-Smith, hosted by NSBRC Expert, Rob Bohm

Get your Heating questions discussed by the experts in this lively 'Question Time' style debate!

Presentation Timetable – Saturday 20th April

10:00 – 10:45 | An Introduction to Passivhaus with The Passivhaus Trust (featuring Expert Intros) –
Jae Cotterell, [Passivhaus Homes](#)

Introduction to Passivhaus Principles from Jae Cotterell & expert elevator pitches.

10:45 – 11:15 | Keeping cool in summer despite rising summer temperatures –
Alan Budden, [Eco Design Consultants](#)

Passive houses are designed to maintain comfortable indoor temperatures all year – round, this includes the summer months when temperatures in UK rise. With the climate changes, the risk of your future home overheating has increased and, in this talk, Alan will elaborate on design principles and strategies to futureproof your new home.

Short break for 1:2:1 appointments

11:45 – 12:30 | Passivhaus – A low carbon systems approach to construction –
Jae Cotterell, [Passivhaus Homes](#)

A introduction to the benefits of using a build system to achieve the Passivhaus Standard and the importance of low carbon materials.

12:30 – 13:00 | Air quality, why it's important, but not talked about much –
Ben Collins, [Airflow Developments](#)

Airflow Developments are an international ventilation manufacturer and have been providing quality ventilation products and accessories for the home for over 60 years.

Short break for 1:2:1 appointments / GUIDED PASSIVHAUS TOUR (Must book at Booking Desk)

14:00 – 14:30 | Airtight but breathable construction – Paul Jennings, [Aldas](#)

Aldas developed the '12 steps to airtightness approach' to enable homeowners and the UK construction industry to reliably deliver the demanding airtightness targets in Passivhaus and other low-energy projects.

14:30 – 15:00 | Real Life Case Study: 5 years of Passivhaus living - did it deliver? – Ben Adam-Smith

You may be wondering whether the benefits associated with the Passivhaus standard are exaggerated and perhaps part of a sales pitch. Ben Adam-Smith, a Passivhaus dweller of five years, shares his experience of whether it has met expectations and is worth the investment.

15:00 – 15:30 | Managing Solar-Gain in a Passive House – Paul Morris, [Solarshield](#)

Explanation of how over heating is created by solar radiation. Why external shading is better than internal. The difference between dynamic & passive shading. What methods of shading are available with the pros & cons of each. The importance of considering shading early.

15:30 – 16:00 | How to heat a new build Passivhaus and a Passivhaus retrofit – Q&A Session with 21 degrees, [Eco Design Consultants](#), [Aldas](#) and [Ben Adam-Smith](#), hosted by NSBRC Expert, [Rob Bohm](#)

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THE FESTIVAL OF SUSTAINABLE HOMES

FRIDAY 17TH & SATURDAY 18TH MAY