

PREVIOUS CANDIDATES TRAINING EXPERIENCES

"The course was extremely informative and the presenters conveyed an in-depth knowledge of Passivhaus. The work was very intensive and covered the fundamental principles through to the underpinning mathematical calculations upon which the theory is based. I have been able to apply Passivhaus principles to my everyday work and would recommend it for everyone involved in the design of low energy buildings."

Matthew Gibson, Energy Council

"The Certified Passivhaus Designer course is mooted as being 'the most technically demanding course' the BRE have delivered to date - they should probably add 'the most inspiring' to that. Covering everything from building physics to economics, it provides students with all the tools needed to design truly low energy buildings, as well as exceptional comfort standards for the end-users. With an equal emphasis on understanding concepts as well as detail, delivered in a fast-paced yet patient manner, the BRE team provides a thorough grounding in Passivhaus design that will change the way you think about buildings forever."

Mark Elton, ECDA



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BRE Trust

The BRE Trust uses profits made by the BRE Group to fund new research and education programmes, that will help it meet its goal of 'building a better world'. The BRE Trust is a registered charity in England & Wales: No. 1092193, and Scotland: No. SC039320.

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Passivhaus Training from BRE



Part of the BRE Trust

BRE is registered with the Passivhaus Institut as an official training centre for Passivhaus training courses



The Passivhaus Standard is the fastest growing low energy standard in the world with over 30,000 buildings realised to date. All over the world interest in the standard design has risen sharply and has become widely known amongst stakeholders in the construction sector.

The core focus of Passivhaus design is to dramatically reduce the requirement for space heating and cooling. This can be achieved without compromising comfort or needing to rely on renewable energy technologies.

The Passivhaus design principles can be applied not only to the residential sector, but also to commercial, industrial and public buildings.

And most importantly - by its definition, a building constructed to the Passivhaus standard eradicates the risk of fuel poverty, fuel security and excess winter deaths.

BRE provide training for people who are interested in getting to know more about the standard, Passivhaus Introduction, and also for those who wish to become a Certified Passivhaus Designer.



PASSIVHAUS INTRODUCTION AND WORKSHOP

BRE's new Passivhaus Introductory Workshop will provide delegates with an overview of the Passivhaus principles and introduce the Passivhaus Planning Package (PHPP).

Passivhaus buildings have a high level of indoor air quality and roughly achieve a 75% reduction in space heating requirements compared to the standard practice for UK new build. This new course is aimed at all those with an interest in low energy design, construction and the Passivhaus standard.

The workshop will include the 'hands-on' use of the PHPP which delegates will use to model a Passivhaus. A complimentary hard copy of the PHPP manual and software is included in the course cost.

PROGRAMME

The one day course will cover:

- AM** Introduction to Passivhaus
Passivhaus in the UK
Basic Principles and Outline Specification
Certification Requirements
Passivhaus, CSH and BREEM
- PM** PHPP Introduction
PHPP Workshop

The course also qualifies as one day RIBA and Construction Certification CPD.

CERTIFIED PASSIVHAUS DESIGNER (CEPH)



BRE's Certified Passivhaus Designer course provides candidates with all of the skills necessary to successfully design and deliver buildings to the Passivhaus standard. Successful completion of the course will allow qualified designers to register with BRE's Passivhaus Certification Scheme (PCS) which provide quick assessment and issue of the Passivhaus Institut 'Quality Assurance' certificates for the completed projects at preferential prices.

The course also qualifies as seven days RIBA and Construction Certification CPD.

PROGRAMME

The course comprises of distance learning with seven classroom based training days and distance exam revision.

Candidates will be issued with all training materials required prior to the course training days, which will require 25-30 hours review prior to attending the on-site course.

The classroom training days are based at BRE, Watford and will be delivered in two sessions:

Week 1

- Day 1 Introduction and Certification requirements
Fundamentals of thermal comfort and thermal insulation
- Day 2 Building fabric and construction detailing
- Day 3 Fenestration and solar gains

Week 2

- Day 4 Airtightness, Primary Energy
- Day 5 Ventilation systems
- Day 6 Heating systems and services
- Day 7 Economics of Passivhaus Construction site management and quality control

The course consists of a mixture of traditional lectures and practical workshops. The Passivhaus Planning Package is used throughout the training and each delegate will have access to a PC workstation.

EXAMINATION AND ASSESSMENT

Delegates will undertake a final exam at BRE to achieve the qualification of 'Certified Passivhaus Designer'.

INTENDED AUDIENCE

Architects and Energy Consultants with experience in designing and delivering low-energy buildings.

This qualification is very technical in nature. If you would like to discuss your suitability for the course prior to booking please call 0845 873 5552.

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