

CarbonLite Professional Development Programme

Training courses for low energy design to AECB standards

Using PHPP in a Building Certification Process

Using Passivhaus Planning Package (PHPP) to design low energy buildings

Gain a competitive edge in carbon-literate building design - learn how to use the PassivHaus Planning Package (PHPP) to build genuinely low carbon buildings to AECB standards

“The CarbonLite training courses will enable you to put the principles of low energy building design into practice – a valuable tool for meeting future building regulations and winning new business.”

This practical hands-on course will provide energy consultants, technical building designers and architects with the skills necessary to achieve low energy and CO₂ standards using the PassivHaus Planning Package (PHPP).

Many of today's eco-buildings have disappointing energy consumption when built. Using the Passivhaus Planning Package (PHPP) from the German PassivHaus Institut, we can change your understanding of how to achieve true low energy consuming building shells, with increased comfort and negligible heating bills for customers. 6000 European PassivHaus projects have been built to date so it is a tried and tested solution. There is so far only one certified building in the UK - it is time to put some more on the map.

Attendance on this training course will provide:

- An understanding of the physics of heat loss
- An explanation of the functions of PHPP software and instruction on how to use it to design and model a low energy building
- The ability to communicate to clients, designers and builders how PHPP can be used to achieve low energy objectives in the building design process
- Backup and support in certifying your own projects to low energy standards in the UK

Prerequisites:

- Delegates require:

- 1) a working knowledge of MS Excel
- 2) ability to read building plans
- 3) some knowledge of typical UK construction methods

- Delegates will need bring a laptop with a copy of the PHPP software (available from www.aecb.net) pre-loaded prior to the course.

JOIN THE AECB TODAY TO SAVE £100 ON THIS TRAINING COURSE

COST FOR TWO DAY COURSE AND END-OF-COURSE ASSESSMENT

AECB Members: £499 + VAT | Non-Members: £599 + VAT

Includes lunch and mid-session refreshments. Attendees will be responsible for their own overnight accommodation.



ENQUIRIES

CarbonLite Professional Development Programme

Tel: 0845 456 9773

Email: sally@aecb.net

COURSE OUTLINE

Day One

10.00 - 17.30

Certification to the PH standard

Documentation required for the PassivHaus Quality Approval Certificate

Procedure for certification and quality approval

Introduction to PHPP

Expected PHPP outputs

Theoretical basis of PHPP

Introduction to the PHPP worksheets

Day Two

09.00 - 17.00

Assessment of a complex dwelling using pre-collated data

Review of end of course assessment exercise

TRAINERS

Jo Brans trained as an architect at Antwerp University and joined the Belgian Passivhaus specialist consultancy Passiefhuis-Platform vzw (PHP) immediately on graduation. She now divides her time between the architectural practice 'Archi*gen cvba' and PHP and is a regular trainer in PHPP.

Peter Warm is a Chartered Energy Conservation Engineer with a strong interest in understanding how the building fabric works. His experience is varied between research and practical on-site work current projects include those with Passivhaus design and certifications.



Using PHPP in a Building Certification Process is organised by AECB - the sustainable building association as part of its CarbonLite Professional Development Programme.

Book online at: www.carbonlite.org.uk/carbonlite/training.php