

# The Carbonlite Retrofit Training Course – April 2017



This cutting edge UK advanced retrofit training course is the culmination of **five** years of investment by the AECB:

- Develop your understanding of heat and moisture in buildings.
- Understand the issues that can arise from the repair, insulation, draught proofing and ventilation of existing UK buildings.
- Learn about ways to avoid or manage unintended consequences.
- Find out about investment appraisal methods for retrofit.

"I wish this course had been available at the start of my career" Daren, Architectural Technologist

"A superb course" Lois, Environmental scientist and currently retrofitting own home

"The knowledge gained from this course and how it will assist me in my work is well worth the time and very reasonable cost at the outset" Richard, Passivhaus Designer

"The course has exceeded my expectations" Jon, Property Manager

## You must be a Member of the AECB in order to book this course

In order to book this course, you will need to be a member of the AECB (Association for Environment Conscious Building). AECB Membership offers a wide range of benefits to individuals and companies and is only £54.00 for an individual to join.

Company membership depends on turnover and starts at just £75.00 per year. If joining as a company/educational establishment, membership covers all employees/students.

Find out more about the AECB and the benefits of joining [here](#).

Book Now

## Who is this course for?

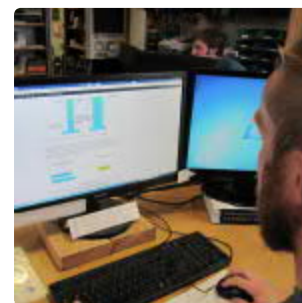
The CarbonLite Retrofit Training Course is an online course, aimed principally at UK construction professionals and those whose role involves decision making around retrofit.

It brings together a wealth of knowledge on low energy

building retrofit and methodology. To get the most out of taking the full course you will already have good professional knowledge within the construction sector. You will have a serious interest in how to do advanced energy efficient retrofit and be wanting to deepen your understanding of building physics and the risks associated with measures, to enable you to make informed decisions.

Homeowners with a desire to drive their own retrofit projects will also find this course useful. While only the more technically minded will be interested in all the detail, there is much useful knowledge even for those who are less technical.

Read some recent reviews from current students [here](#)



## Course Approach

- Read and follow modules at your leisure, to fit around work and other commitments
- There is an online test at the end of most lessons to check your learning
- Communicate with fellow students and the module tutor to discuss learning or to post questions arising from the material on the dedicated on-line forum.
- For each of the core modules there will be a homework task using a live project or your own house. This will be reviewed via an on-line tutorial involving contributions from both tutors and students using the homework as case studies.
- Currently being finalised – the right to self-certify projects under the forthcoming CarbonLite Retrofit Self-Certification system .

## Course Content

- The direct and indirect benefits of robust retrofit
- Climate zones, local micro-climates and impact of changing weather patterns
- Understanding existing building structures and materials
- Energy and buildings
- Moisture and buildings
- Building services, including ventilation and heat
- Financial appraisal – is retrofit a good investment?
- Case studies

## Course Tutors

Andy Simmonds. Andy has been working on this material for the last three years and brings together his experience as a low energy building designer with research into moisture and energy issues. Andy's own house was the first certified (and monitored) domestic EnerPHit retrofit in the UK.

Eric Parks. Eric is an experienced Passivhaus architect and building physics trainer on the CarbonLite Certified Passivhaus Designer course, he has co-written a number of the sections of this material.

Bill Butcher. Bill is an experienced Passivhaus builder, with years of low energy

building retrofit experience. Bill is a trainer on the Construction Module of the Carbonlite Certified Passivhaus Designer course and a Certified Passivhaus Consultant and Tradesperson.

Dr Tina Holt. Tina trained as an earth scientist with particular focus on the causes and impacts of climate change. She has worked in education, IT and editing technical information for a broader audience. In 2011-12 she retrofitted her own home close to the EnerPHit standard and consults on domestic energy efficiency.

Alan Clarke is one of the UK's most knowledgeable energy consultants and building services engineers, specialising in Passivhaus design, building on long experience of low energy and ecological construction. His Passivhaus projects include individual and group housing, schools, community centres and offices. In addition to design work he is involved in detailed monitoring of several of these projects which are now completed and occupied, learning invaluable lessons about the real life performance of low energy buildings.

## Course requirements

[Download Draft Schedule of Dates](#)

- The next course will run from April 2017 and is staged to allow for prior commitments for holidays and work.
- All material is presented on-line so a reasonable internet connection is required.
- Links to additional reading
- The ability to upload pictures and email them
- Ability to access a web forum with speaker and microphone connections e.g. via Skype or similar.

[View the Preview lesson here](#)

## Frequently Asked Questions

The cost of the course has been increased to reflect the greater Tutor input introduced.

AECB Member £410 +VAT

Non-members from £446.00 + VAT (to include AECB membership) For benefits and

rates click [here](#).

Note for non-members – Join us as a company and all employees are covered by membership.

Book your place on the AECB CarbonLite Retrofit Course

Join the AECB now or [find out more about the AECB](#)

Sign up to be kept informed via email of future course dates and news about the CarbonLite Retrofit Training Course

**Subscribe**

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