



# Intelligent Airtight Systems Training

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€95 per person, booking required 7 days in advance  
Group discounts are available on request

# Seminars 2015

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Are you confused about Airtightness and vapour control – Take the pressure off by taking part in our Intelligent Airtightness Training Program. Are you aiming to meet or surpass the latest requirements of the building regulations or perhaps you are aiming to meet Passivhaus levels of airtightness?

Improving thermal insulation, reducing air leakage and reducing thermal bridging is invisible, but vital to the thermal performance, structural durability, comfort and health of the living space in our buildings. To attain this we must insist on better building practices and materials from the design stage to the building site and put the fabric first. **Airtightness is a core element in ensuring thermal insulation performs to its optimum, and to deliver more durable, healthy comfortable buildings.** It is with this in mind that Ecological Building Systems have launched our latest course, pro clima Intelligent Airtightness Training.

This is timely with the requirement for airtightness testing in new buildings and an increased awareness of the need for improved airtightness in both new and existing buildings.

The course is delivered at our Centre of Knowledge in Athboy, Co Meath. Training is provided by our in house technical expert Peter Smith and Roman Szytura of Clioma House Ltd. Peter Smith has lent his knowledge to some of the most low energy airtight buildings in Ireland. Roman is a qualified Passivhaus Tradesman and will impart priceless time and cost saving tips on how to deliver reliable airtightness on site.

Since 2000 Ecological Building Systems have been at the forefront pioneering the delivery of Intelligent Solutions for Airtightness solutions in Ireland and the UK.



**Take the Pressure Off - Upskill Today**

### Peter Smith

Ecological Building Systems

Peter Smith has been with Ecological Building Systems for 10 years, having had many years' experience as project manager on many new build



and significant conservation projects. His interest in the use of lime mortars and plaster in older buildings led to his further interest in compatible vapour permeable and breathable materials, natural insulations, and how they relate to thermal performance. Peter's primary role with "Ecological" is in the delivery of CPD's to architects. He provides presentations to a range of groups including; the Irish Georgian Society, Homebond and the Passive House Association of Ireland. Peter provides direct site support where he gives builders and architects advice on achieving optimum air tightness and maximising thermal performance while minimising condensation risk.

### Roman Szytura

Clíoma House Ltd

Born in Germany, Roman undertook a 3 year apprenticeship as a joiner; he then worked for various companies as a carpenter,



joiner, airtightness and insulation installer before becoming a freelance craftsman. His primary focus has always been on airtightness, natural insulation (mainly cellulose) and healthy energy efficient building. He moved to Sligo, in 2007 and founded clíoma house ltd which provides a full consultancy for Timberframe Passive Houses and installation service for airtightness and natural insulation. He has been involved in more than 100 projects all over Ireland and Europe as a consultant and installer working on a variety of construction types ranging from the renovation of small natural stone cottages to state of the art Passive Houses. He has achieved airtightness results as low as an N50 of 0.087ACH.

# Training Program

Each participant receives a certificate of attendance, samples, a memory stick loaded with relative information including complete airtightness video tutorials, direct contact with senior engineers and expert airtightness craftsmen and lunch

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- 9.30-10.00am **Registration**
- 10.00am **Peter Smith - Airtightness Theory**  
**Background to the theory behind Airtightness**
- Why Airtightness
  - What about ventilation?
  - Consequences of air leakage
  - Common failure areas
  - Airtightness and Active Moisture Management
- 11.00am **Coffee Break**
- 11.15am **Intelligent Solutions on Site**
- Designing, Building and Testing for Airtightness
  - Intelligent onsite solutions
  - Airtightness details and solutions
  - Quality Control on site
  - Airtightness in the Irish context, present and future
- 12.00 pm **Roman Szytura (Clioma House) - Airtightness in Practice**  
**Practical Demonstration and System overview**
- pro clima Airtight demo house overview
  - Airtightness best practice detailing review
  - pro clima WINCON airtightness quality assessment
  - Identification of common leakage points in block and timberframe
- 1pm **Lunch**
- 2pm **Hands on Practical Application of System and Products**
- Introduction to practical
  - Overview of key details
  - Installation of airtightness of standard detail
  - Installation of airtightness in complex details area
  - Q & A
- 4.30pm **End of Training**

## Feedback from our seminars

"The Practical Session was very useful. I picked up a lot of helpful tips in applying the various tapes and glues. The workshop space is also fantastic and the cut away details are a brilliant way to understand the products and their interaction with each other."

"A very thorough course, executed with real professionalism. You made us feel very welcome, and I am very grateful to you all."

"Excellent facilities and demo models an enjoyable day."

"Great! Bringing all the theory to life with the demos and practical's and seeing build-ups in the flesh!"



## Where we are:

**From the North** (Belfast) Take the M1 towards Dublin. At J10 exit onto the N51 for Drogheda North / Slane, continue to follow signs for Navan. From Navan, follow the signs for Athboy.

**From the East** (Dublin) Take the M3 towards Cavan. From M3 exit at J9 for Navan North/Delvin, follow signs for Athboy.

**From the South** (Cork). Take the M8 Northbound for Dublin, then follow directions from Dublin as above.

**From the West** (Galway). Take the M6 Dublin Road. At J2 take the R148 into Kinnegad, follow signs for Athboy/Trim on the R161. Turn off the R161 Trim Road to the L4016 to Ballivor and follow the signs to Athboy.

Ecological Building Systems are based on the Main St, in Athboy directly opposite the Bank of Ireland. There is large signage for MacCann and Byrne and Ecological Building Systems outside the main building. Parking is available on our premises.



Ecological Building Systems are members of:



# ecological

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