



Airtightness in Practice: Long-Term Performance, Field Evidence, and Innovative Detection Methods

Tuesday 17 March 2026

10:00-11:30 (Brussels, BE)

09:00-10:30 (London, UK)

18:00-19:30 (Tokyo, JP)

20:00-21:30 (Sydney, AU)

REGISTER NOW

FREE – Participation to the Webinar is free

Registration is required: A link to join the webinar will be included in the email confirmation

This webinar follows up on contributions presented at the [Buildair 2025 Symposium](#) in Hannover and brings these insights to a wider international audience.

Airtightness of the building envelope is essential for energy efficiency, thermal comfort, moisture safety and indoor air quality. Although increasingly required by building regulations worldwide, questions remain about long-term durability, the gap between targets and real performance, and reliable leak detection methods.

The webinar will present rare field data from a passive house after 16 years of operation, highlighting the long-term integrity of airtight envelopes. Experience from multifamily buildings in the Czech Republic will illustrate the differences between expected and measured airtightness levels in practice. In addition, innovative acoustic leak detection methods, tested both in laboratories and in the field, will be introduced. The session will conclude with a presentation of the activities of FLiB, the German association dedicated to airtightness in construction.

This webinar is organised by the AIVC (www.aivc.org), Energie- und Umweltzentrum am Deister GmbH ([e.u.\[z.\]](http://e.u.[z.])) and [TightVent](#). The event is facilitated by [INIVE](#).

Programme (Brussels time)

- 10:00 | Welcome from Energie- und Umweltzentrum, Wilfried Walther (e.u.[z.], DE)
- 10:05 | Passive house measurement after 16 years – is airtightness of the envelope still intact? Lars Due (Isolink, Slagelse, DK)
- 10:20 | Q&A
- 10:25 | Airtightness of multifamily buildings in the Czech Republic – theory versus reality, Jiri Novak (Czech Technical University in Prague, CZ)
- 10:40 | Q&A
- 10:45 | Acoustic Leak Detection in Building Envelopes – Laboratory and Field Tests, Markus Diel (Deutsches Zentrum für Luft- und Raumfahrt e.V., DE)
- 11:00 | Q&A
- 11:05 | Updates on Building Airtightness in Germany, Oliver Solcher (FLiB, DE)
- 11:10 | Q&A
- 11:30 | End of webinar





Cost and registration

Participation to the webinar is free but requires you to register for the event. The webinar will be limited to a maximum of 1000 persons. To register, please click on the "Register now" button above.

What is a webinar?

A webinar is a conference broadcasted on internet. To follow a webinar you must have a computer with a sound card and speakers or headphones. Once logged in the "webinar room", you will be able to see the slides of the presentation and to hear the panellists' comments. You will also be able to ask written questions to the speakers, and to answer on-line surveys.

Hardware, software

Our webinars are powered by WebEx. The only thing you need is a computer with a sound card and speakers or a smartphone or tablet. Before you can log in the "webinar room", WebEx will install the required application. If you are not a WebEx user, please visit: <https://help.webex.com/en-us/article/810y08/Join-a-webinar> to check the system requirements and be informed on how to join a webinar. We recommend you join the event 5...10 minutes in advance.

About AIVC

Created in 1979, the Air Infiltration and Ventilation Centre is one of the projects/annexes running under the International Energy Agency's Energy in Buildings and Communities (IEA-EBC) Programme. With the support of its member countries as well as key experts and various associations (REHVA, IBPSA, ISIAQ), the AIVC offers industry and research organisations technical support aimed at better understanding the ventilation challenges and optimizing energy efficient ventilation.

The AIVC activities are supported by the following countries: Australia, Belgium, Canada, Denmark, France, Greece, Italy, Ireland, Japan, Netherlands, New Zealand, Norway, Republic of Korea, Spain, UK and USA.

About TightVent

[TightVent](#) aims at facilitating exchanges and progress on building and ductwork airtightness issues, including the organisation of conferences and workshops. It fosters experience sharing as well as knowledge production and dissemination on practical issues such as specifications, design, execution, control, etc., taking advantage of the lessons learnt from pioneering work while keeping in mind the need for adequate ventilation.

TightVent has been initiated by INIVE (International Network for Information on Ventilation and Energy Performance) with at present the financial and/or technical support of the following partners: Lindab, Retrotec, Acin Instrumenten, BCCA, BlowerDoor GmbH, Build Test Solutions, dooApp, Eurima, Gonal, SIGA and BPIE.

About INIVE

INIVE (International Network for Information on Ventilation and Energy Performance) was created in 2001. The main reason for founding INIVE was to set up a worldwide acting network of excellence in knowledge gathering and dissemination. At present, INIVE has as member organizations Buildwise, Cerema, CETIAT, Ghent University, IBP-Fraunhofer, KU Leuven.

INIVE is coordinating and/or facilitating various international projects, e.g. [AIVC](#), [TightVent](#), [venticool](#) and [Dynastee](#). INIVE has also coordinated the ASIEPI project dealing with the evaluation of the implementation and impact of the EU Energy Performance of Buildings Directive, the QUALICheck project aiming towards improved compliance and quality of the works for better performing buildings, BUILD UP the European portal on Energy Efficiency and the EPBD feasibility study 19a.

About the International BUILDAIR Symposium

The [International BUILDAIR Symposium](#) has developed into the leading international conference in the field of building airtightness. It offers both experienced practitioners and newcomers a varied range of topical specialist presentations on airtightness, ventilation and thermography. The conference focuses on practical know-how that can be applied directly, as well as intensive exchange between participants and exhibitors.

About the Energie- und Umweltzentrum am Deister (e.u.[z.])

Founded in 1981, the [Energie- und Umweltzentrum am Deister \(e.u.\[z.\]](#)) provides a wide range of information and advice on energy efficient and resource-saving construction for professionals in the building sector, energy consultants and all other interested people. Its ambition is to share immediately implementable, practical knowledge about airtightness, building physics and renewable energies via workshops, seminars and conferences. Its own centre is used in a sustainable manner, and includes three buildings of different ages, energy standards and methods of construction, ideal for demonstrations. Groups and individuals can book catered and uncatered stays in the low-energy Guest House (constructed in 1991, woodframe method), and hold Training events in the Passive House (2001).

