

Project duration: 1979 - present

The primary objective of the ECBSC information centre, 'Air Infiltration and Ventilation Centre (AIVC)', is to be the international centre on research and development in the fields of air infiltration and ventilation. Thus the specific objective is to provide a high quality international technical and information forum covering the areas of ventilation and air infiltration in the built environment with respect to efficient energy use, good indoor air quality and thermal comfort. The mission of AIVC is to be the reference portal for information on ventilation in buildings to improve the wellbeing of people through development and dissemination of ventilation knowledge.

Since the beginning of 2011, the AIVC has been operating with a brand new approach, which is approved for the period through to 2013. A key ambition of the new AIVC is to convene integrated / combined activities (called 'projects'), resulting in different information tools, for example webinars, workshops, position papers, technical papers, and so on. These will be supported by an in depth review process and will result in an increased information dissemination impact. The projects identified are:

- Development and applications of air leakage databases
- Philosophy and approaches for airtightness requirements
- Quality of airtightness testing and reporting
- How tight and insulated ducts should be?
- Airtightness quality in the construction process
- Durability of building airtightness
- Improving the quality of residential ventilation systems
- Ventilative cooling (ventilation for passive cooling)
- Ventilation and health

For both projects and events in relation to airtightness, AIVC is joining forces with TightVent Europe. This is a platform newly-launched in 2011 that focuses on airtightness of buildings and ductwork. TightVent Europe's main goals are to:

- raise awareness of airtightness issues, which are experiencing a revived interest with the recent trend towards nearly zero-energy buildings;
- provide appropriate support tools and knowledge transfer to ease market transformation.

In 2011, the popular AIVC Annual Conference has once again provided an opportunity for researchers and practitioners from around the world to exchange ideas and to present their latest findings. The theme for the joint conference was 'Towards Optimal Airtightness

Performance'. This was arranged by INIVE for AIVC and TightVent Europe and over 160 professionals and scientists participated in the AIVC organised sessions. The proceedings and conference report are available at the AIVC website.

Given the converging interests of both bodies, the AIVC Board and the TightVent Europe Steering Committee have agreed to collaborate among other things on:

- the organization of the 2012 conference, which will again be a joint AIVC - TightVent event,
- the overall scientific approach of TightVent and the involvement of AIVC experts for scientific review of publications, and
- the joint organization of four of the projects mentioned above.



New Products in 2011

AIVC Conference Proceedings

32nd Annual Conference 'Towards Optimal Airtightness Performance', held on 12th - 13th October 2011, Brussels, Belgium.

AIVC Newsletter

December 2011

Webinars

- Airtightness and ventilation perspectives in Romania: European context, regulation changes and progress needed, held on 21st June 2011
- Achieving better envelope in practice – Recent Norwegian training and dissemination schemes, held on 9th November 2011
- Association with 6th International BUILDAIR Symposium. Held on 15th May 2011, Berlin, Germany

Operating Agent: Peter Wouters, INIVE eeig, Belgium

Participants: Belgium, Czech Republic, France, Germany, Greece, Italy, Japan, Republic of Korea, Netherlands, New Zealand, Norway, Sweden, USA

Further information and reports:

www.ecbcs.org/annexes/annex05.htm