



Why the Industry Cares About the Quality of Ventilation Systems

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Stefan Wiesendanger, Chairman of EVIA

1



Symptoms of Bad Quality

Mold in brand-new residential developments in Spain



... because of an absence of ventilation

2

Symptoms of Bad Quality



Student loses consciousness during singing lesson

Student fällt in der Gesangsstunde in Ohnmacht

Von Carmen Roshard. Aktualisiert am 01.12.2012 93 Kommentare
Im täglichen Gebrauch zeigt sich die Kehrseite des Minergie-Standards: In der neuen Pädagogischen Hochschule Zürich herrscht ein stickiges Raumklima.



... because of bad commissioning and no windows

3

Symptoms of Bad Quality



Water leakage



... because of missing condensate drain

4

Symptoms of Bad Quality



Dust and mold buildup



... because of duct with humid air traversing cold space

5

Symptoms of Bad Quality



The working part of the installation



6

Symptoms of Bad Quality



... and the non-working part



7

Symptoms of Bad Quality



The infamous Vathorst residential development

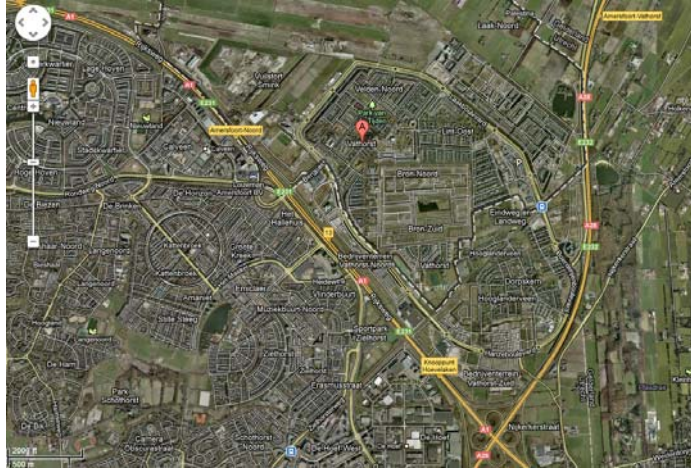


8

Symptoms of Bad Quality



Vathorst location



9

Symptoms of Bad Quality



Vathorst issues:

Cheap ground

Windows that cannot be opened to maximise use of the ground

Air volume designed to regulations and not to peak

Not all rooms ventilated

No displacement ventilation to save on ducting

Saving on noise control

Air tight houses now mean that ventilation has evolved from “helpful” to “essential”

10

Symptoms of Bad Quality



Manufacturers fixed all issues that could be fixed



11

Symptoms of Good Quality



This is what our customers deserve!



12

Symptoms of Good Quality



This is what our customers deserve!



13



About EVIA

A Unified Voice for the Ventilation Industry in Brussels



Stefan Wiesendanger, Chairman of EVIA

14

Why a European Ventilation Association?



1. The ventilation industry is facing increasing regulatory challenges which impact the way we design our products. Many critical decisions are taken at EU level:

- Eco-design measures (ENTR Lot 6; ENER Lot 10; and more to come)
- Energy labelling of products
- Energy Performance of Buildings
- Renewable Energy Sources
- Ecolabel for office buildings
- Energy efficiency directive
- Cross-sector strategies to improve energy efficiency



2. The ventilation industry needs a unified voice to represent its interests and to communicate its views with European decision-makers and other stakeholders :

- Information exchange is critical to provide valuable knowledge to the members
- The ventilation industry wants to be fully involved in the energy efficiency debate
- Manufacturers can bring solid expertise and knowledge to decision-makers

EVIA is a permanent and active presence on the Brussels scene!

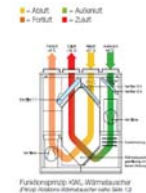
15

What Is the Mission of EVIA?



1. Promote highly energy efficient ventilation applications across Europe, with high consideration for health and comfort aspects:

- More energy efficient ventilation systems can reduce the energy consumption of buildings (approx. 40% of the total EU energy consumption)
- Fresh and good indoor air quality is a critical element of comfort
- It contributes to keeping people healthy in buildings



2. EVIA considers the use of electricity in terms of investment rather than in terms of expense:

- Heat recovery as well as other technologies such as demand controlled ventilation allow to avoid important heat and energy losses
- The value of hygiene and good health is as important as the value of energy efficiency

3. The ventilation sector considers that comfort ventilation is an “enabler” for the air-tight Zero-Energy-House that the EU needs to carry out as part of its 20-20-20 agenda.

EVIA reconciles energy efficiency with health and comforts aspects!

16

What are the Objectives of EVIA?



1. EVIA aims to serve as **platform and point of contact** between all relevant European stakeholders involved in ventilation industry:
 - European decision-makers (European Parliament, Commission, Council)
 - Specialised consultancies hired by the European Commission (eco-design)
 - The scientific community involved in ventilation
 - And other relevant organizations or media
2. Promote the idea that **energy saved through heat recovery or demand control is at least as environmentally friendly as renewable energy** and that it deserves equivalent consideration in EU policies
3. Promote **high indoor air quality and energy recovery** through quality solutions (products and installation) at European and national levels
 - Secure that regulations will take the **quality aspect of ventilation systems** including their installation into account
 - **Spread best practices** regarding design, installation and maintenance (through suitable training curriculums and certification schemes throughout Europe)
4. EVIA does not get involved in making standards but promotes the **use of common standards**



17

How is EVIA organised?



A General Assembly

- Annual gathering of all members, taking fundamental decisions

A Steering Committee

- Defining the strategy and managing the association

3 Working Groups:

- Residential Ventilation
- Non-Residential Ventilation
- Fans

The Secretariat

- The EVIA Secretariat is located in Brussels and managed by the Secretary General (Russell Patten, Grayling)
- In charge of the daily running of the association and providing day-to-day political advice and support.

EVIA is assisted by technical support provided by Fachinstitut Gebäude-Klima (FGK)

18

Who are EVIA's members?



34 Member companies:



Airwell



Climate Systems



CAREL

ClimaRad[®]
INDOOR AIR QUALITY

ebmpapst

ELTA
GROUP LIMITED



Honeywell

mdexx
Magnetronic Devices



NICOTRA Gebhardt



Creating healthy spaces



Soler & Palau



Technik zum Wohlfühlen



The art of handling air



VENTILATOREN



Die Kompetenzmeister für Energiespeichersysteme



3 Associate members:



19

How can you contact EVIA?



EVIA Secretariat

Russell Patten - Secretary General
c/o Grayling, 46 Avenue des Arts,
1000 Brussels
Belgium

Tel/ 00 32 2 732 70 40
secretariat@evia.eu
www.evia.eu

20