

# Certificate

## Passive House Tradesperson



Dr. Wolfgang Feist  
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Germany  
[www.passivehouse.com](http://www.passivehouse.com)

Valid until 16th January 2024

**Sorin Cruțescu**

Date of birth: 17th May 1977

is entitled to use the seal below during the five year validity of the certificate and is listed during this period in the list of Certified Passive House Tradespersons at [www.passivehouse-tradesperson.org](http://www.passivehouse-tradesperson.org)

The qualification was obtained according to the valid examination regulations

at: **INCD URBAN-INCERC - Sucursala INCERC Bucuresti Centrul de Performanta Energetica a Cladirilor**

in: **Bucharest, Romania**

The qualification has the following specialisation(s):

**Building Envelope**       **Building Services**



Darmstadt, 16th January 2019

A handwritten signature in blue ink that reads 'Wolfgang Feist'.

Prof. Dr. Wolfgang Feist

This certificate does not replace any required professional qualification.

A Passive House is a building, in which thermal comfort [ISO 7730] can be provided solely by post-heating or post-cooling of the fresh airflow which is required for good indoor air quality [DIN 1946] - without using additional recirculated air.

{Definition}

## **Certified Passive House Tradesperson - Specialisation Building Envelope**

### **General principles / Passive House Basics**

- Passive House criteria
- The 5 basic Passive House principles
- Building physics and ecology
- Airtightness
- Construction process and quality assurance
- Economic aspects

### **Specialisation - Building Envelope**

- Insulated constructions
- Thermal bridge free construction
- Windows and other transparent building components
- Summer comfort
- Retrofits with Passive House components
- Implementation details

### **Basic principles - Building Services**

Provision of basic knowledge regarding ventilation and heat supply in Passive Houses.

The full version of the catalogue of learning objectives and further information can be found at [www.passivehouse-trades.org](http://www.passivehouse-trades.org).