



# Training Irish Craft Workers in Germany

## Lessons from HEAT Plus and CESBEM

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## Who we are

- Non profit organisation that provides occupational education to more than 1000 carpentry apprentices in south-west Germany each year
- Additionally we offer further education and advanced training in the carpentry trade in 75 courses with more than 960 participants



## Leonardo-da-Vinci

Leonardo-da-Vinci (PLM - People in the Labour Market) Mobility Projects since 2009

- CESBEM (Competence Enhancement in Sustainable Building through European Mobility)

Aims at carpenters but also engineers and architects

312 people so far

- HEAT Plus

Aimed at plumbers

30 people



## Differences in Building Technology

In general local materials were used to withstand local weather conditions



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## Differences in Building Technology

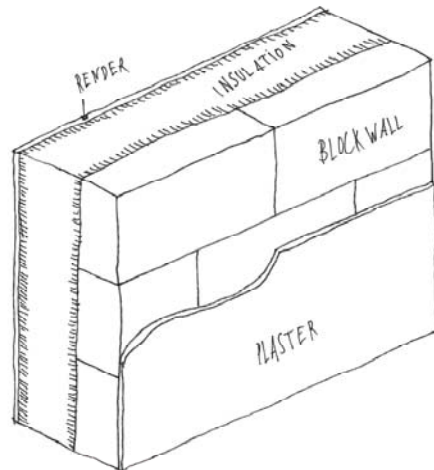
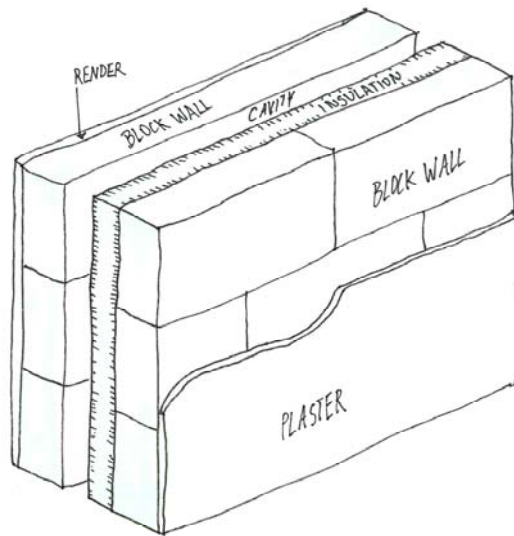
### Impact until today

Architecture, general build up and details are still according to:

- what has been build
- what has been used
- what people are used to



## Differences in Building Technology



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## Carpenter in Germany

- Framing
- (Roofing)
- ~~Second Fixing (Skirting, Handrails...)~~
- (Formwork)
- ~~Doors (int. and external) and Windows~~
- ~~Kitchens~~
- Shopfittings
- Staircase
- Refurbishment
- Airtightness

## Carpenter/Joiner in Ireland

- Framing
- Roofing
- Second Fixing (Skirting, Handrails...)
- Formwork
- Doors (int. and external) and Windows
- Kitchens
- Shopfittings
- ~~Staircase~~
- ~~Refurbishment~~
- ~~Airtightness~~

## **Carpenters in Germany have a deeper understanding of:**

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- Building physics
  - U-value calculation of constructions is part of apprenticeship
  - Knowledge about diffusibility of materials
  
- Airtightness
  - Awareness of importance of airtightness
  - Knowledge about different membranes and their fixing to other materials



## Result:

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- Different climate leads to different „building culture“ and construction details
- Different building requirements lead to different levels of knowledge
- Training material developed on European level is sometimes hard to adapt on national level

**Thank you for your  
attention**