

# **Certification of buildings with the Resource Score, a gamechanger in construction**

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**Head of Factor X Agency**  
**& Res Score GmbH**

# Three turnarounds in construction

**ResScore**  
because resources matter

- **Energie**
- **Climate**
- **Raw Materials**

... and in construction we only care about energy efficiency!



Lignite Open Pit Mine Inden, Bild: Klaus Dosch

# Cheating Regulations

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- EnEV, GEG, European Energy Efficiency Directive, Passiv-Housings, KfW, ...
- Cheating buildings with high demand of „grey“ CO<sub>2</sub> & energy



Klaus Dosch, ERF

# Sustainability assessment systems do not help

**ResScore**  
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- **DGNB**
- **BNB**
- **LEED, BREEAM, ...**

... well-known sustainability assessment systems are far too complex, time-consuming and expensive!



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# New approach for assessing the 3 turnarounds:

- **Factor X**
- **All buildings are necessarily X times better than a comparable building**
- **Based on VDI 4,800 Resource efficiency**
- **Only 3 Indicators: CO<sub>2</sub>, Energy & Materials**
- **No accounting for parts C and D of the life cycle assessment**

# Tried and tested

# ResScore

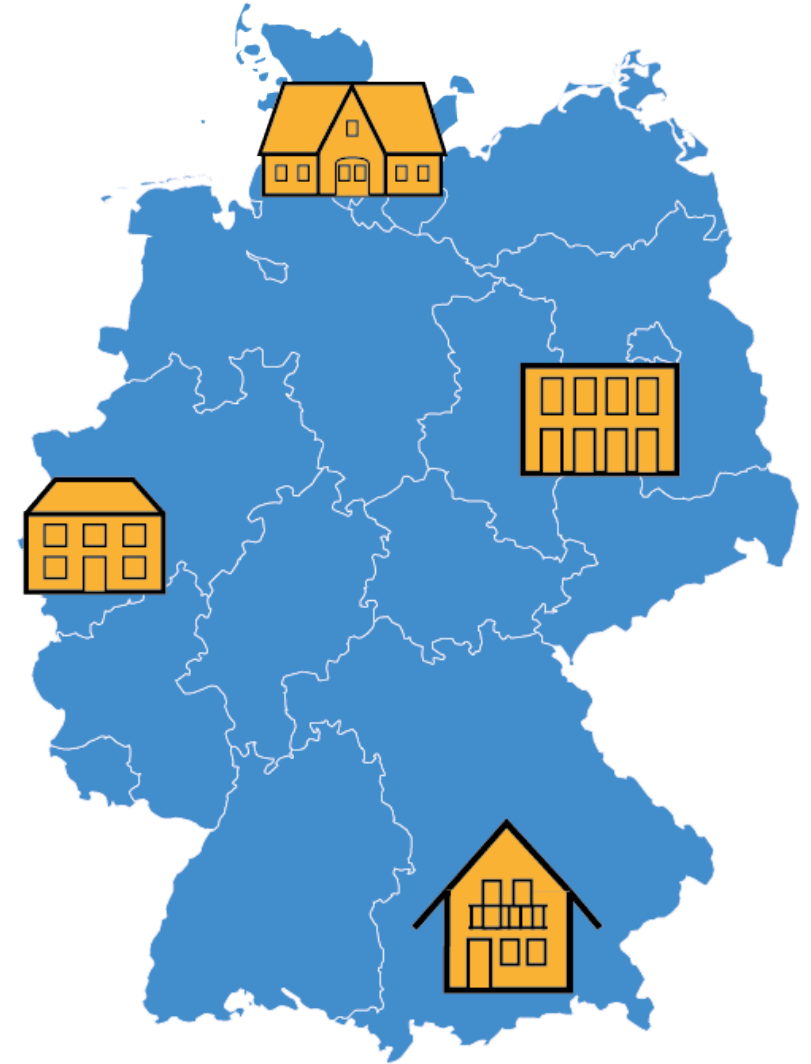
because resources matter

- 6 residential areas so far
- Factor X in the sales contract
- 33% Land price contractual penalty (never drawn)
- Monitoring by Factor X Agency



# Lessons learnt

- Factor X works well
- Around 400 calculated buildings (single family houses, appartement houses, commercial buildings)
- (Only) regionally comparable
- Absolute comparison values necessary





# Factor X → Resource-Score

# ResScore

because resources matter

resource-score



climate-score



material-score



energy-score

- Uses known scheme
- Built on factor X
- Performance at a glance
- A (blue): Development goal
- B (green): Best on the market so far
- G (red): the worst, BUT: G still EnEV / GEG compliant!
- Based on data from hundreds of calculated buildings

# Resource-Score

# ResScore

because resources matter

- Game Changer
- Shows unfailing performance in terms of 3 turnarounds
- High diffusion potential
- Goal: Every new building gets a resource score

## resource-score



climate-score



material-score



energy-score

## resource-score



climate-score



material-score



energy-score

### Gebäudedaten:

Musterhaus  
Siedlung Donnerberg  
Umbauter Raum: 565 m<sup>3</sup>  
Beheizte Fläche: 145 m<sup>2</sup>

### Ort:

52222 Stolberg, Musterstraße 123

### Zertifiziert durch:

ResScore GmbH

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[www.resource-score.eu](http://www.resource-score.eu)

# ResScore

because resources matter

## Thanks for your attention!

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