Savings in materials and energy use in the building industry, an holistic approach

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creating value
The building industry contributes for 5-6% to the GNP, but for:

- 25% in road transport
- 35% in the total amount of waste
- 43% in the total energy consumption and CO₂ emission
The construction industry is inefficient

10% cost of failure

<40% efficiency

Building waste on construction sites

excessive use of materials and volume

<100 kg/m²

>1000 kg/m²
Content

innovation by addition (building on ancient technology) the consequences;

Slimbouwen, resetting construction on an integral level;

Focusing on Energy strategies

Best Practice and ideas
Roman Floor and Wall Heating
heating / heat recovery
Bedlam Furnace, Abraham Darby
Coalbrookdale 1709
Ironbridge, Abraham Darby III 1779
Crystal Palace, 1851
Innovation by addition
leidingen in een eengezinswoning:

voorbeeld van vele vervlechtingen.