

ZERO EMISSION BUILDING FROM NORTH TO SOUTH

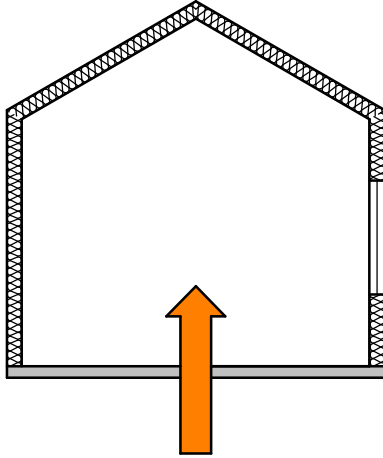
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NORTH

cold/moderate areas

normal house (150m²/4 persons)

a bad heat insulation



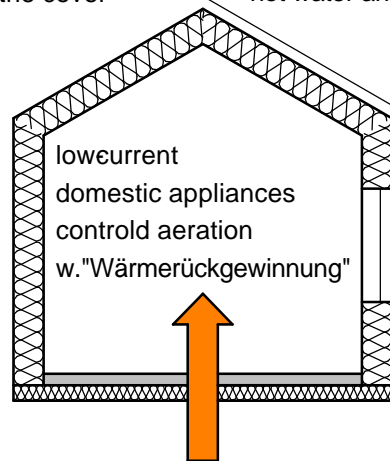
heat energy

15.000-30.000 kWh/a (10-20 l oil/m²/a)
out of crude oil, coal, electricity
fossil fuels
cause climate change
dangerous atomic energy

Zero Emission Building

a good heat insulation
closeness of the cover

solarpanel for
hot water and electricity



heat absorbing glass
use of
passive
solar energy

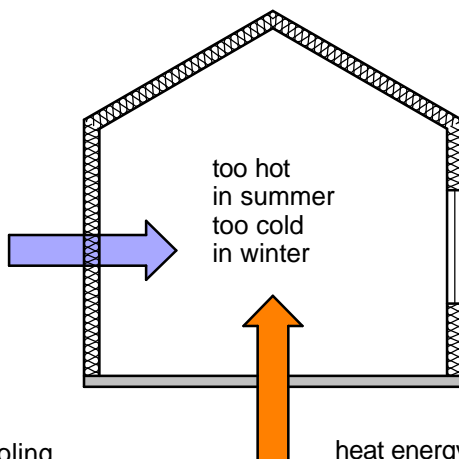
heat energy

3.000 kWh/a (2 l oil/m²/a)
out of sun, wood, terrestrial heat etc.
renewable energy sources
no CO₂-emission
no climate change

SOUTH

warm/hot areas

normal house (150m²/4 persons)

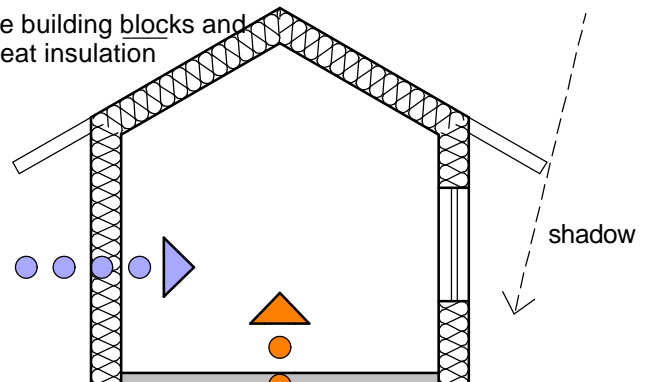


cooling
10.000 kWh/a
out of crude oil, coal, electricity

heat energy
4.000-10.000 kWh/a
out of crude oil, coal, electricity

Zero Emission Building

massive building blocks and
good heat insulation



cooling
at night
cooling with
solar electricity
1.000 kWh/a

heat energy
terrestrial heat, solar energy,
wood heating (Pellet)
1.000 kWh/a



Architekturbüro Mießl GmbH

EU Project "Clay" - Folie 2 Zero Emission Buildings from North to South
www.fvl.de/projekte/Sokrates/projekt.htm