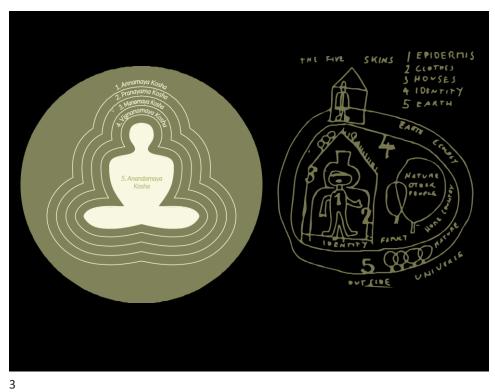


The sense of Cognitive Architecture

Marco Imperadori Full Professor, Rector's Delegate Far East marco.imperadori@polimi.it

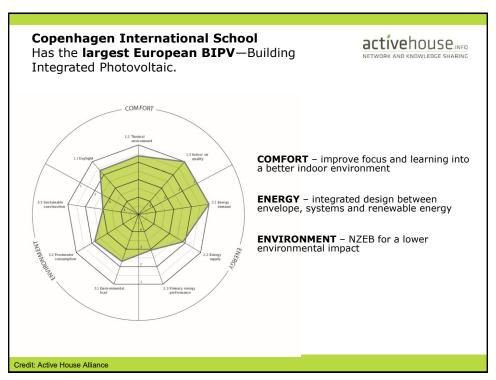
15/11/2022

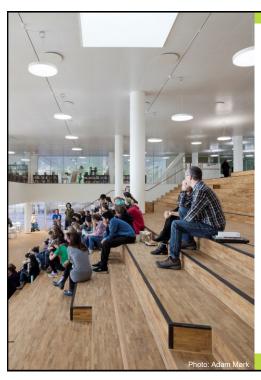














COMFORT – improve focus and learning into a better indoor environment

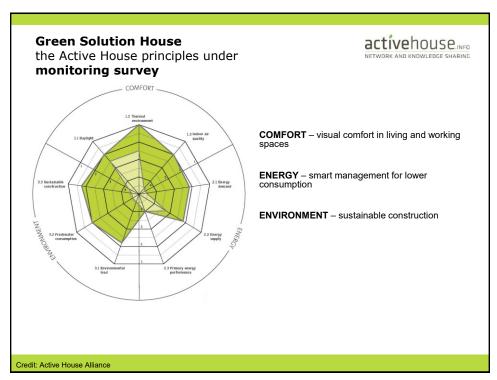
- DAYlight and LEDlight
- 20% window/floor area
- 21-26°C thanks to good insulation and heat recovery ventilation system

ENERGY – integrated design between envelope, systems and renewable energy

- 15 kWh/m2y
- 6000 m2 BIPV
- 69% renewables covering the energy demand









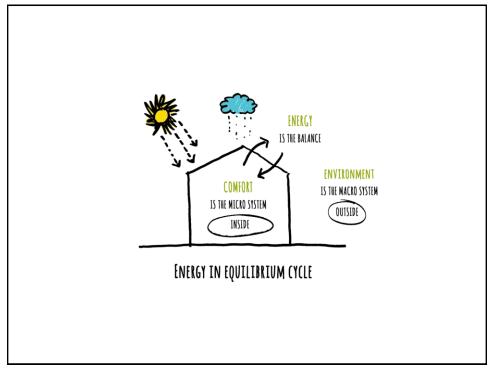


COMFORT – visual comfort in living and working spaces

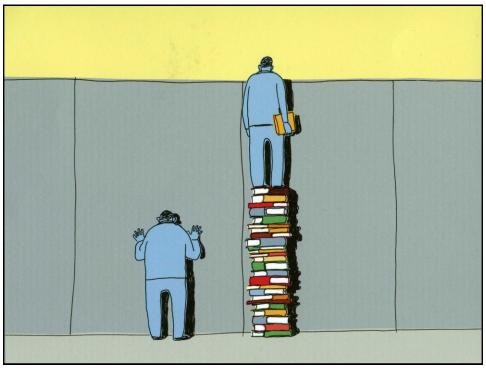
- Skylights and solar tunnels (DFmin 6,6%)
- greenwall and specific finishing materials to purify indoor air, absorbing pollutant particles and balancing humidity levels.

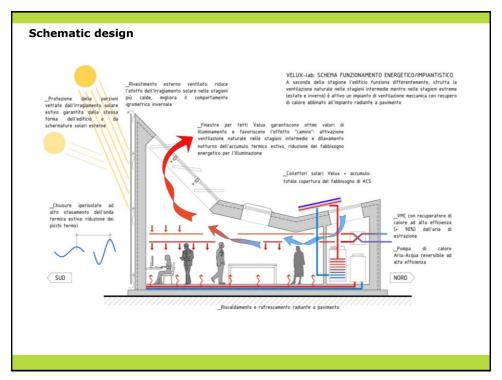


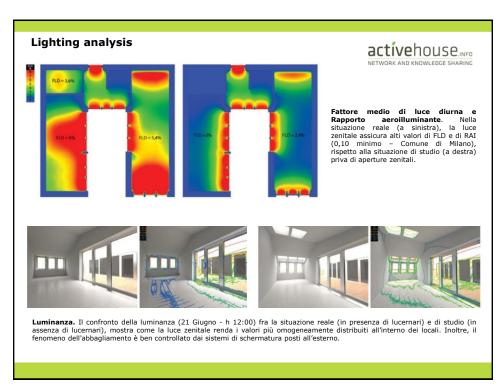




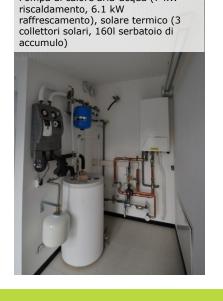












Pompa di calore aria-acqua (7 kW

velux lab



