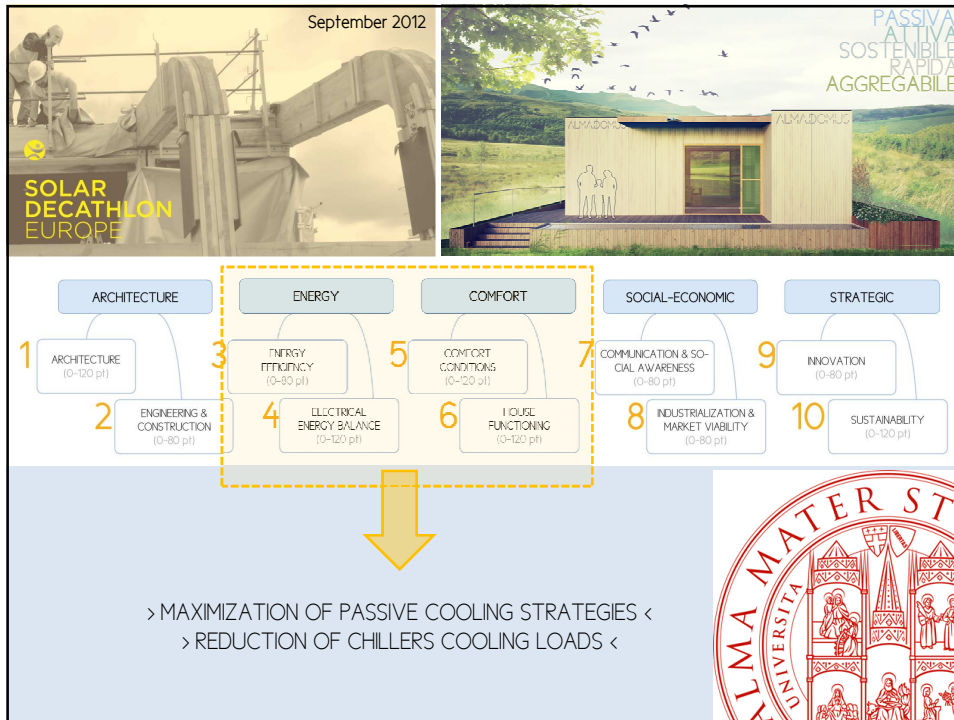
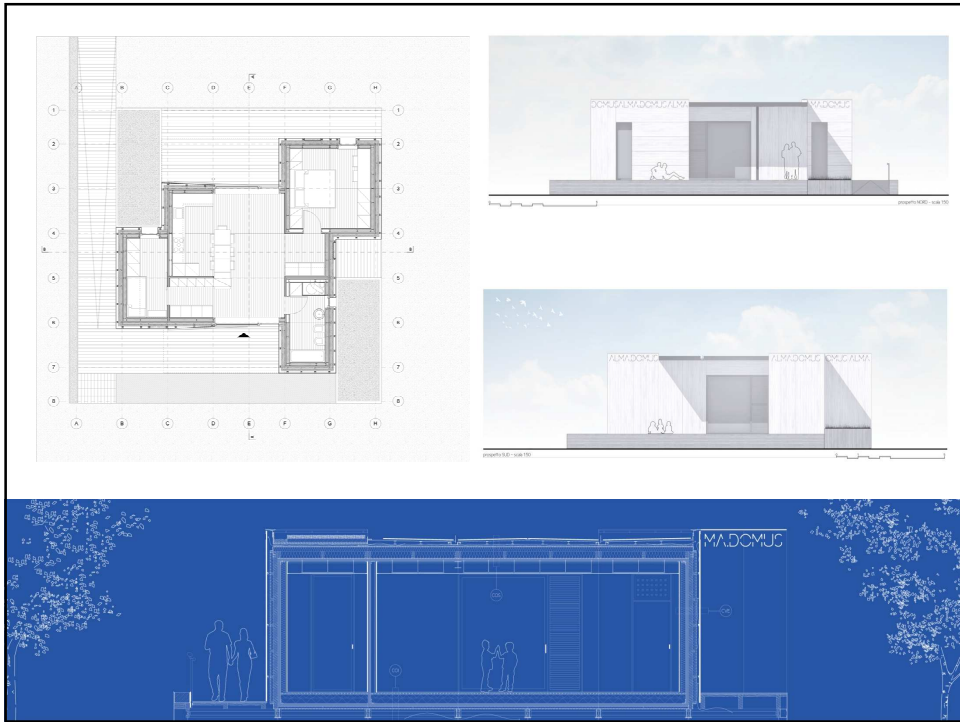
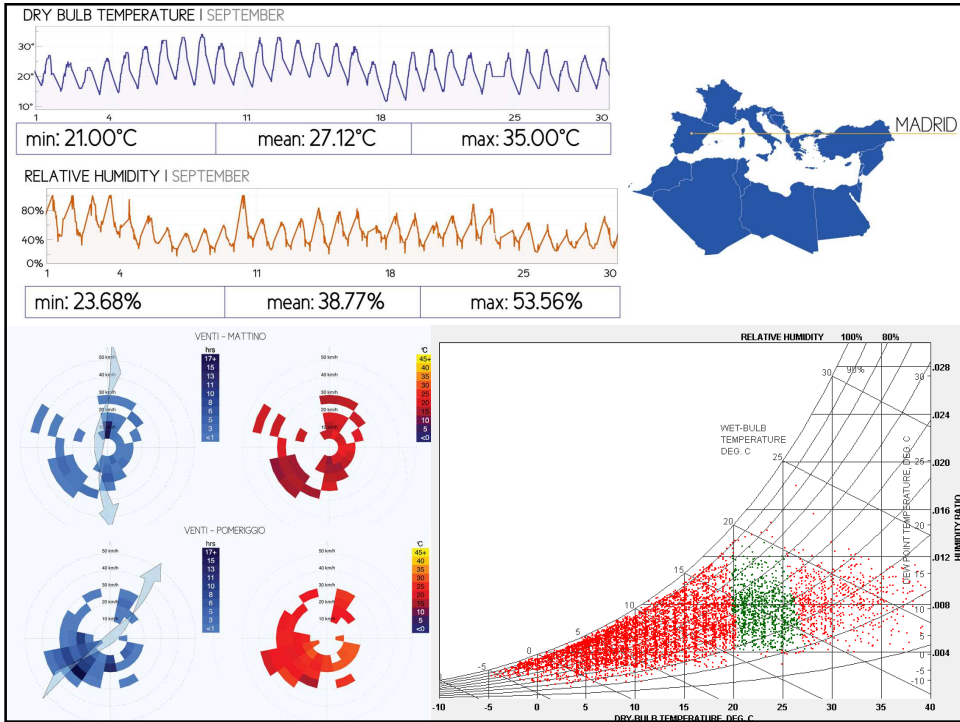
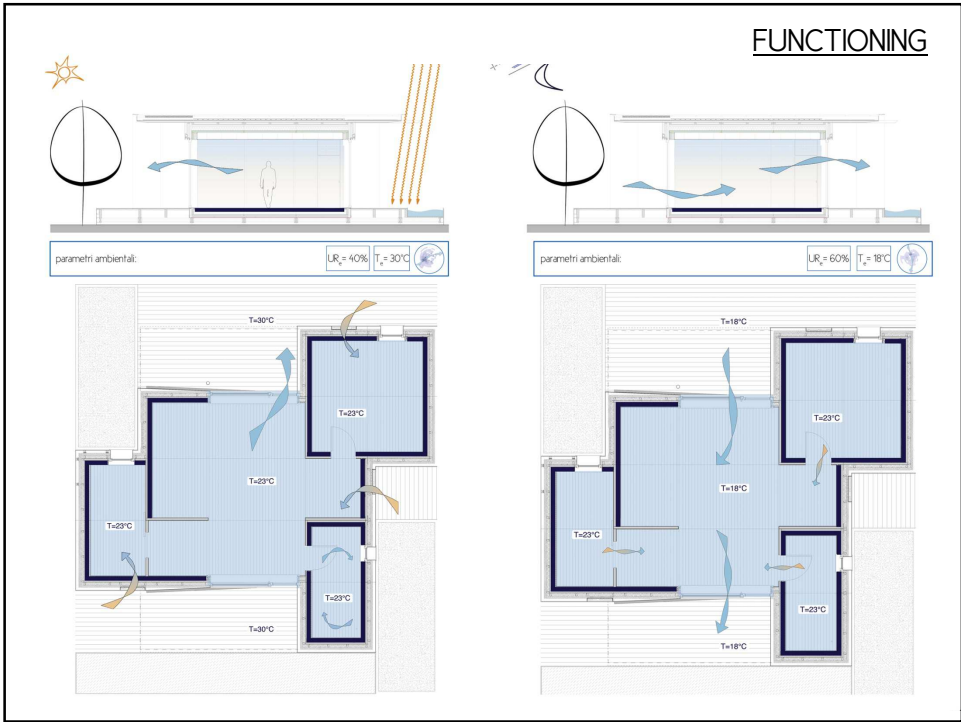
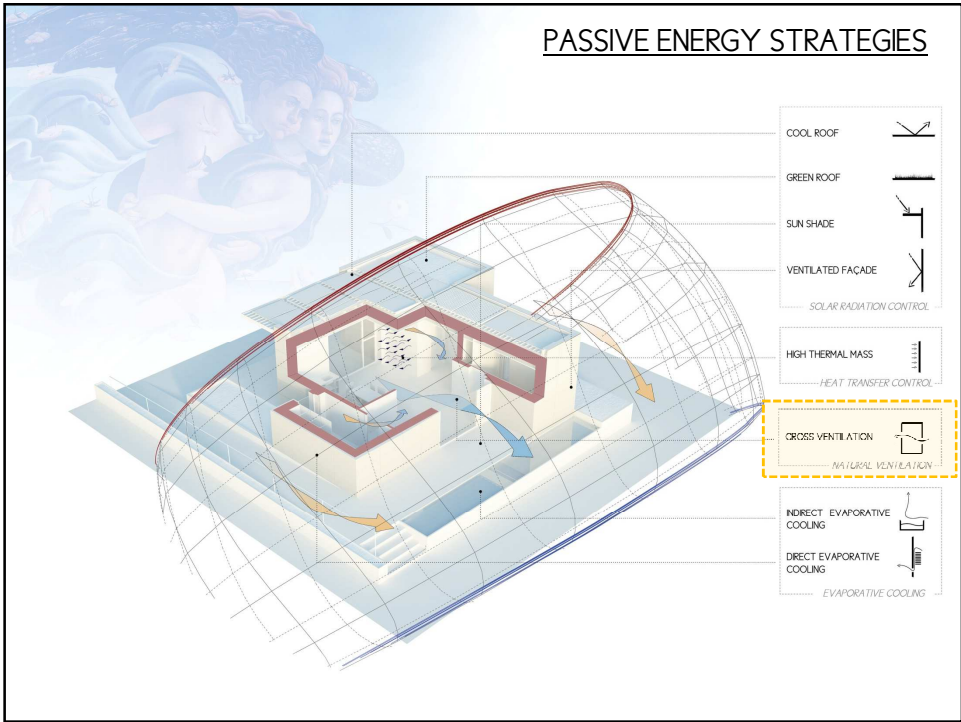


passive cooling with natural ventilation rate, a case study

Pier Nicola Currà







VENTILATION GRILLE

Flusso d'aria variabile grazie alla modulazione degli attuatori

Trasmittanza termica serramento (U) = 1.1 W/m²K

griglia aperta

griglia chiusa

interno esterno

Internal cover grille

External weather louvre

Controllable motorized louvre

passivent

VENTILATION GRILLE WITH CONTROLLABLE MOTORIZED LOUVRE.

U-value = 1.1 W/m²K

Air leakage = 9.7 m³/hour/m² at 50 Pa pressure

DYNAMIC SIMULATION RESULTS

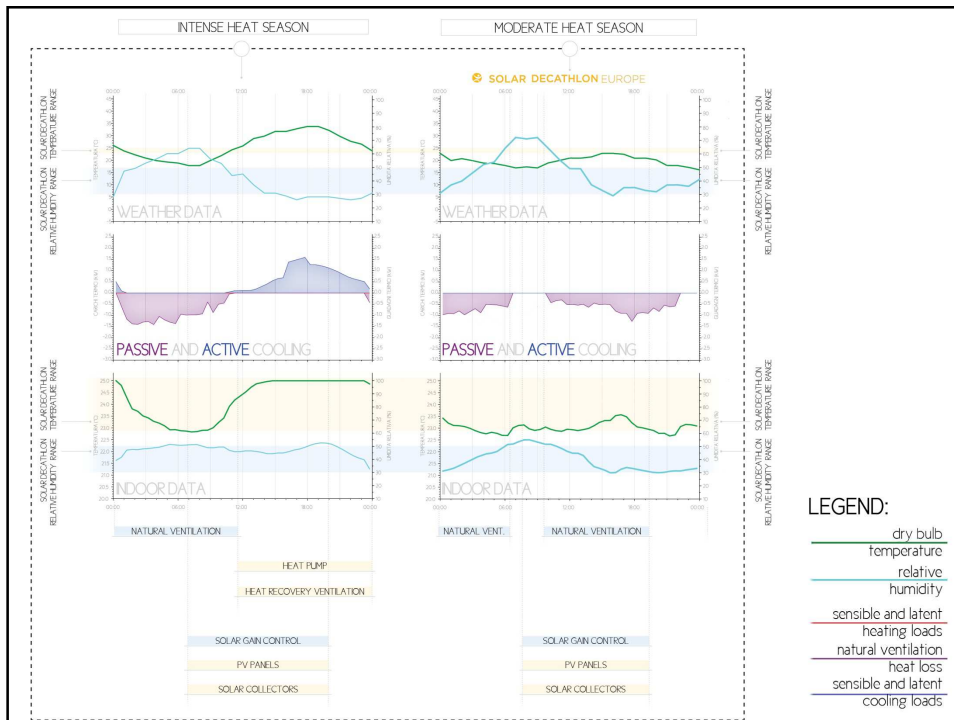
with IES-VEpro

ies

Airflow Unit: 1/s

Date/Time: 22-Sep-15 15:15

velocità 0.00 0.08 0.16 0.24 0.32 0.39 0.48 0.56 0.65 0.72 0.79 0.87 m/s



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