

## why buildings are so important?



that account for

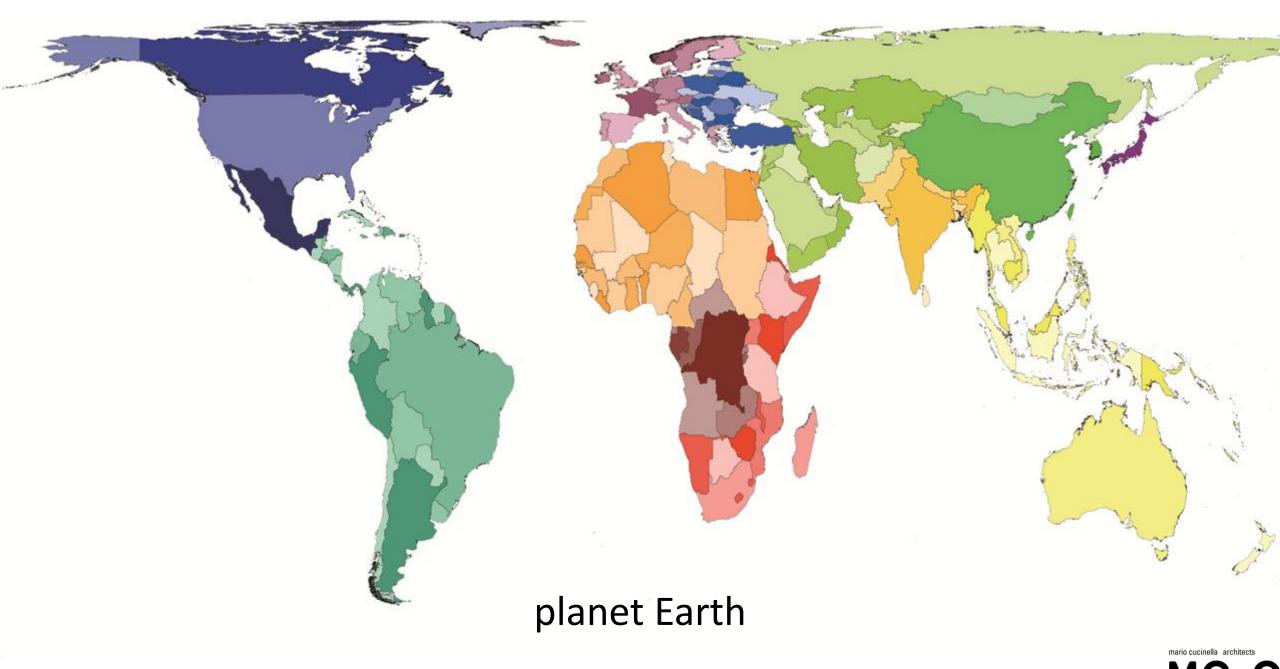
### 15 gigaton/y

of CO2 production

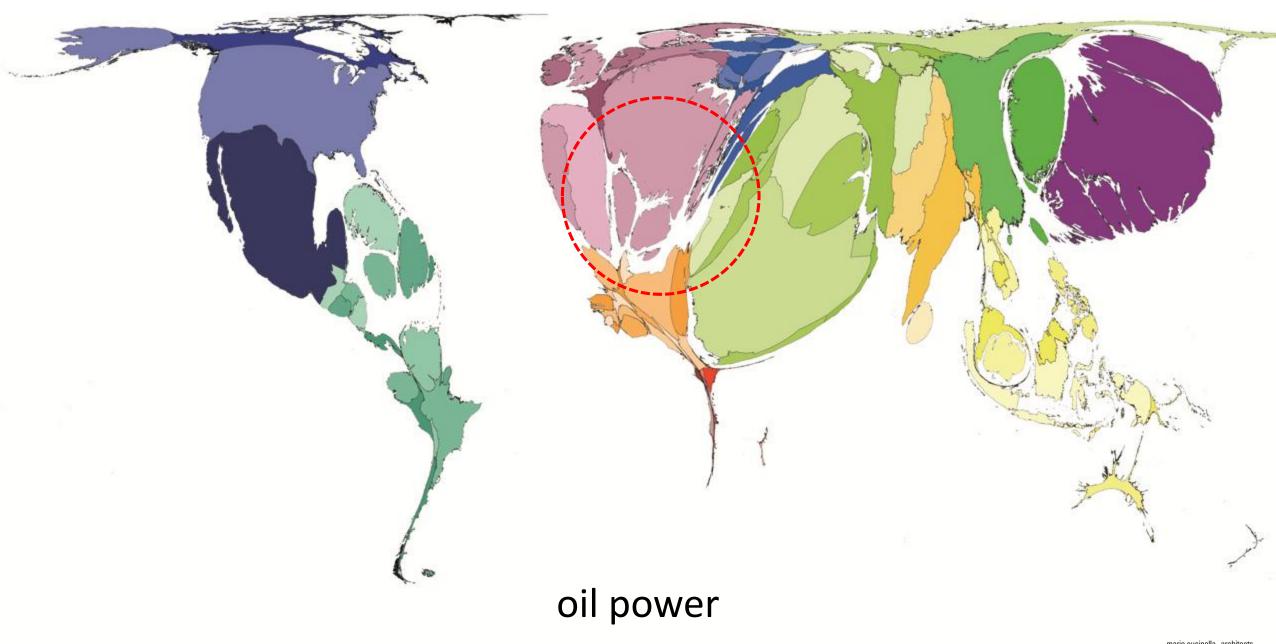
47%

of global greenhouse gases emissions

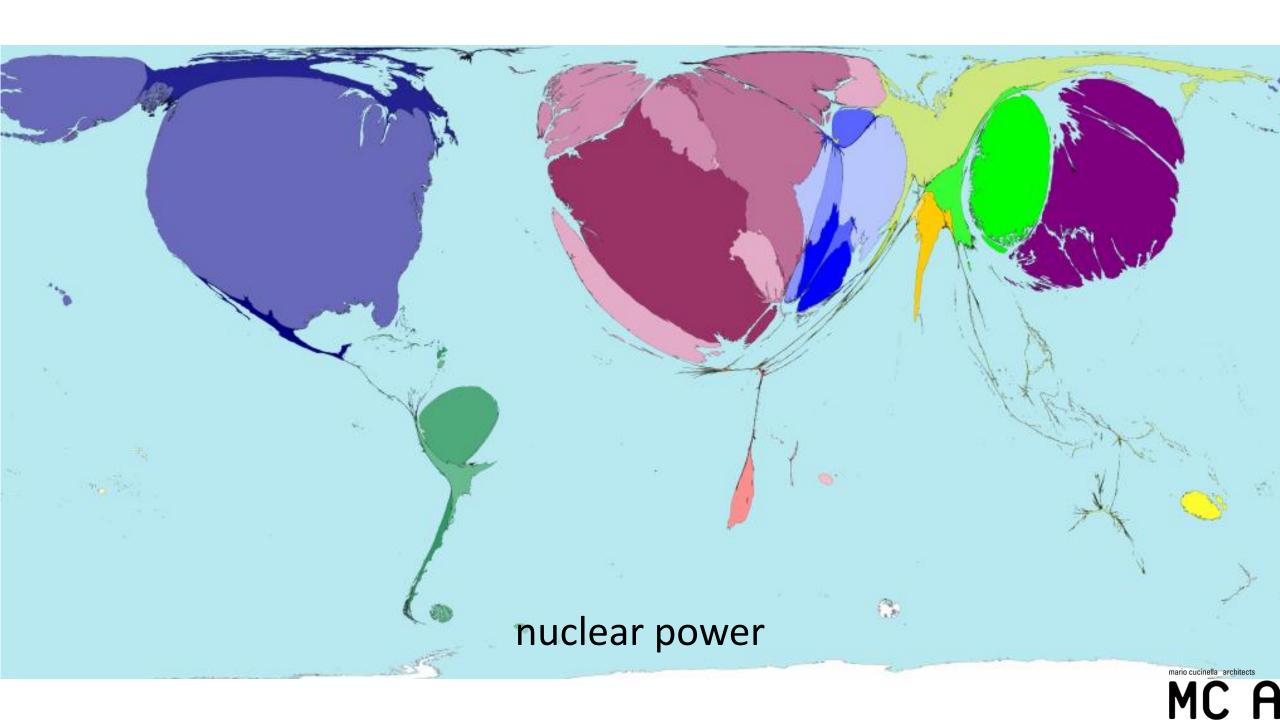




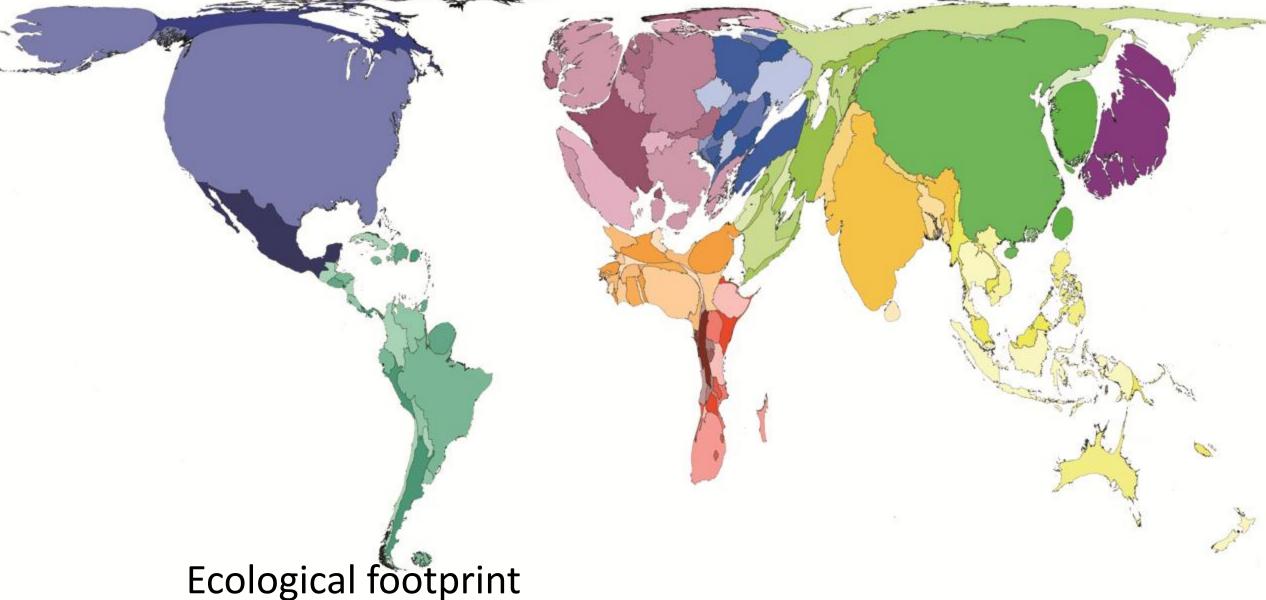
MC F



MC F



Looking Earth from a different point of view...



is related to human demand on the Earth's ecosystems. It measures how much land and water area a human population requires to produce the resource it consumes and to absorb its wastes, using prevailing technology.



#### WHEN IS A BUILDING SUSTAINABLE?



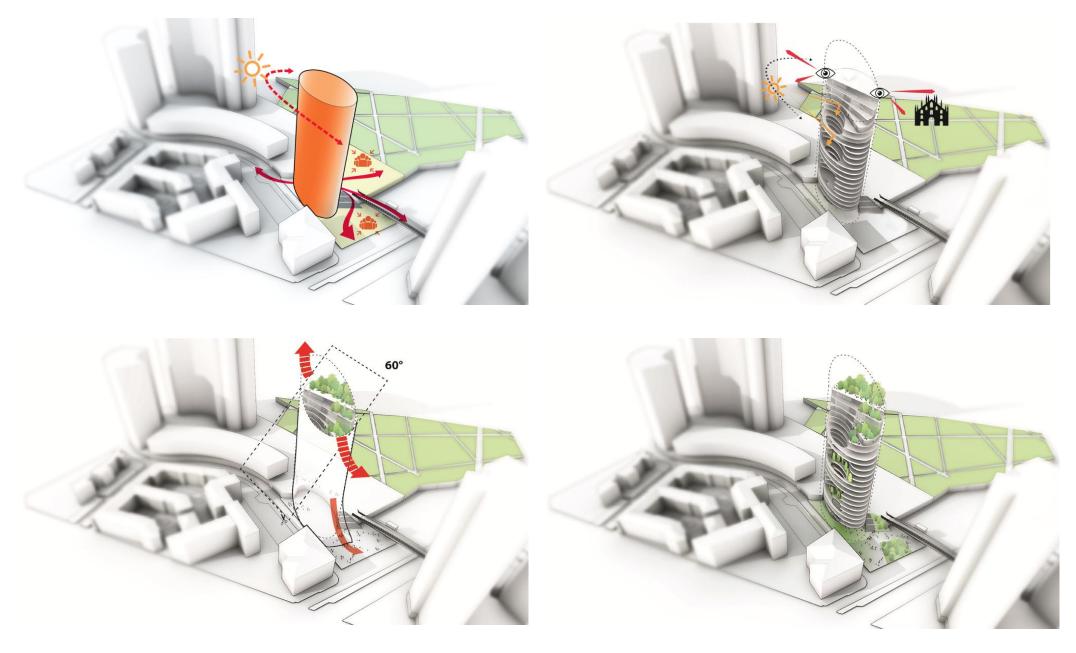
We design projects that, through a solid **research**, the use of **innovative technologies** and the collaboration of **different professionals**, embody an ideal of architectural quality whose sustainability is not only environmental, but also social and aesthetic.

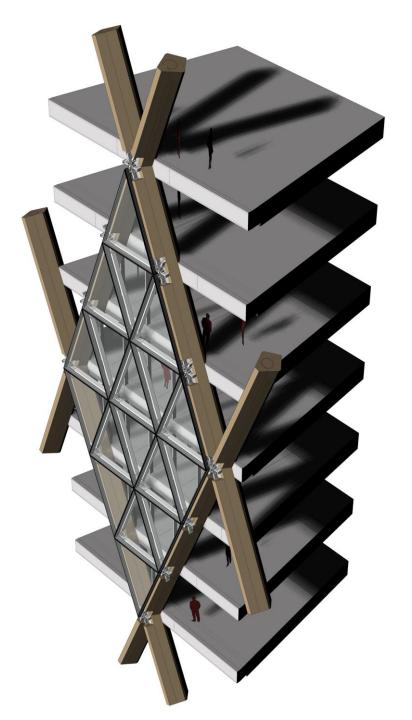




### Urban integration and shape relationship







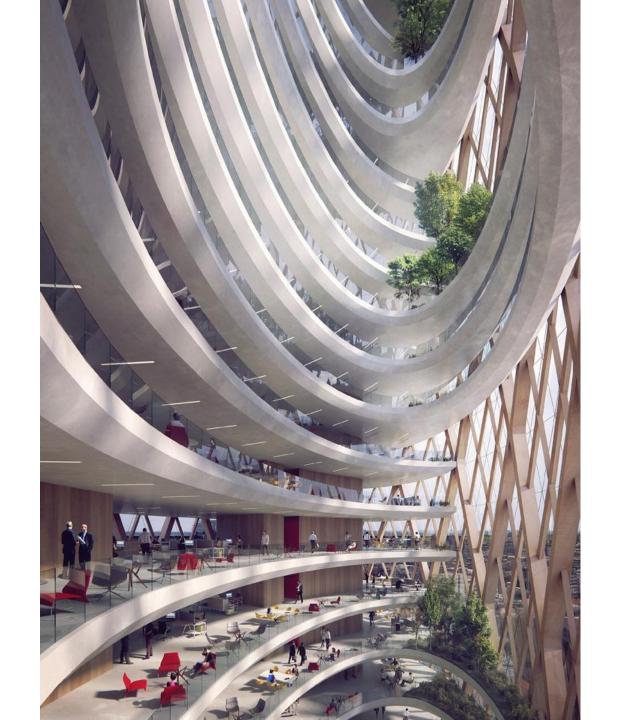


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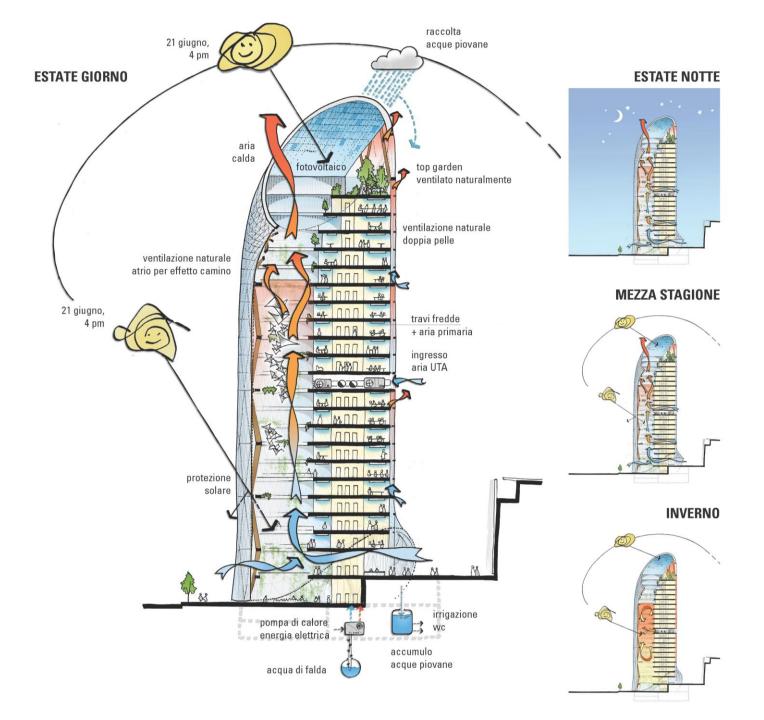


mario cucinella architects



mario cucinalla, architect

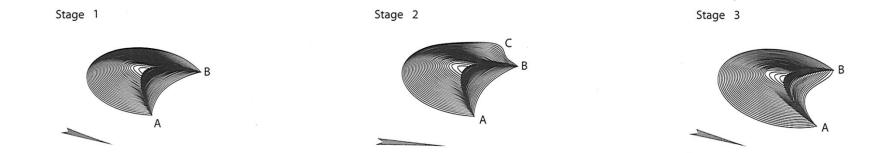






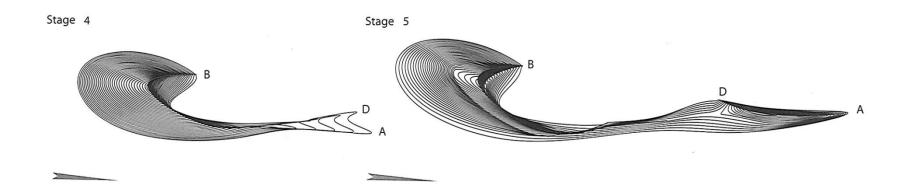
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### **EMPATHY WITH THE ENVIRONMENT**

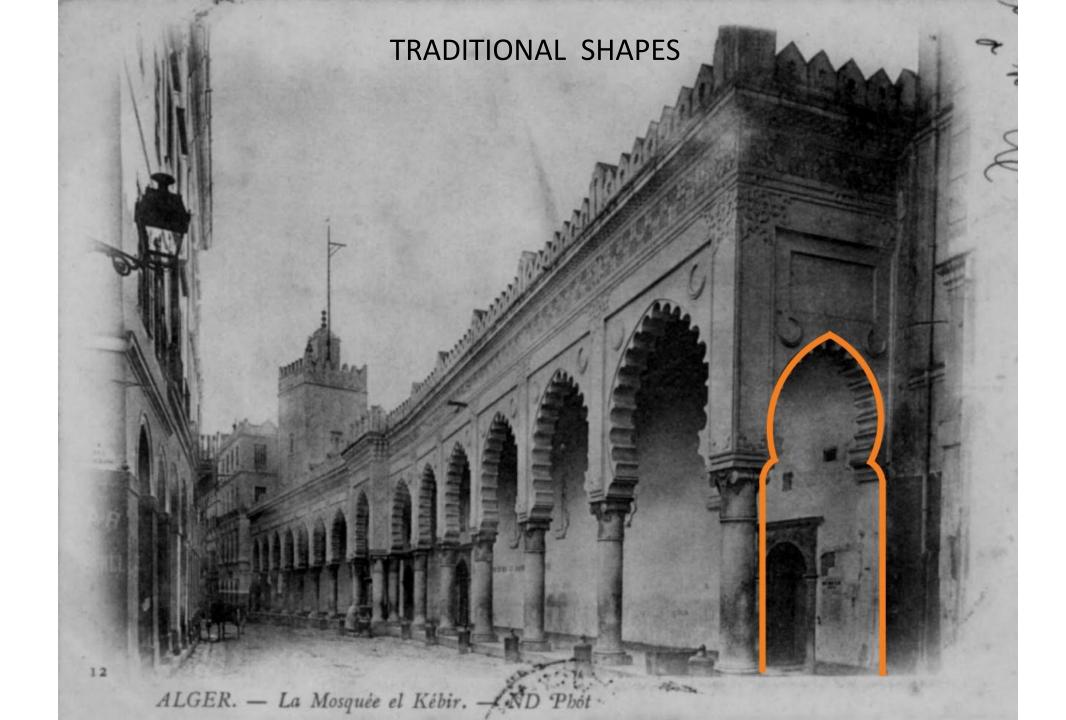
#### natural and cultural

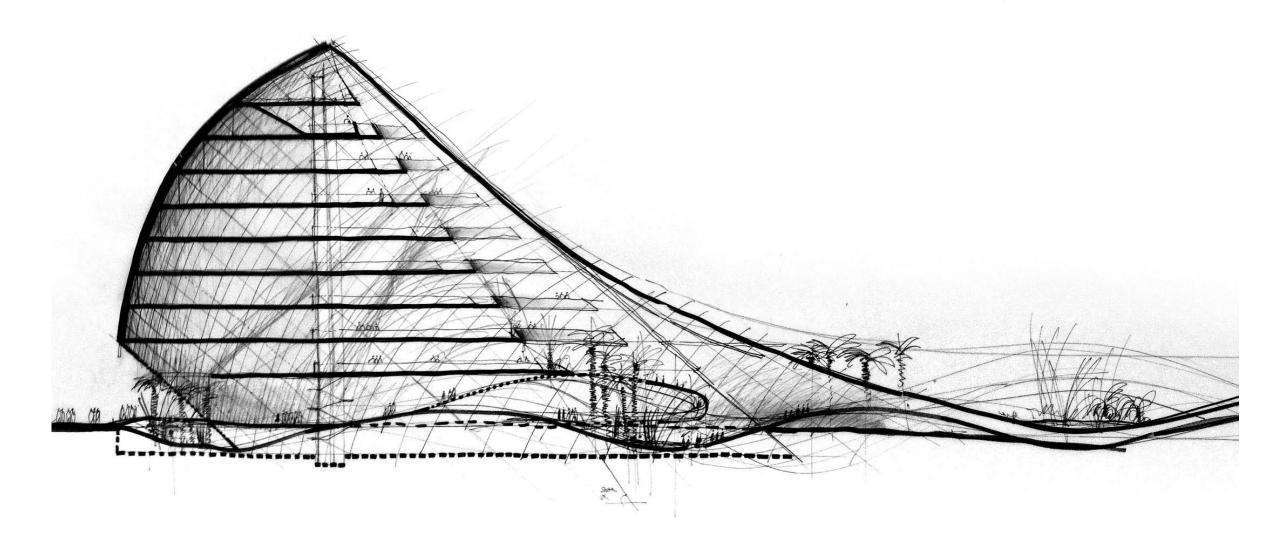


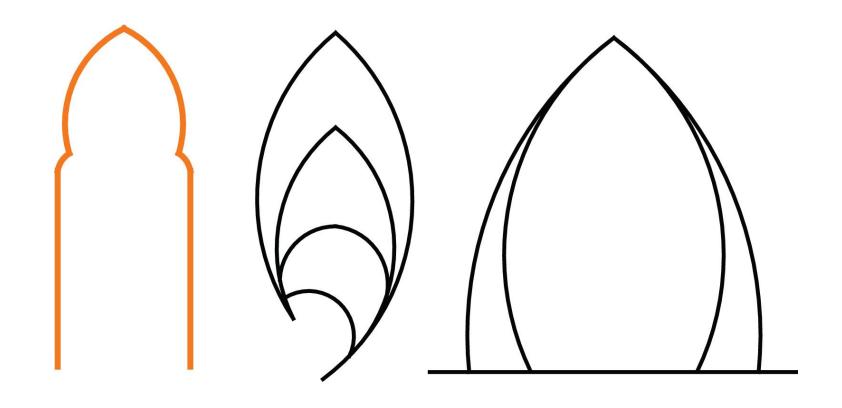


# Bellezza and Vernacular Innovation

empathy with culture and history







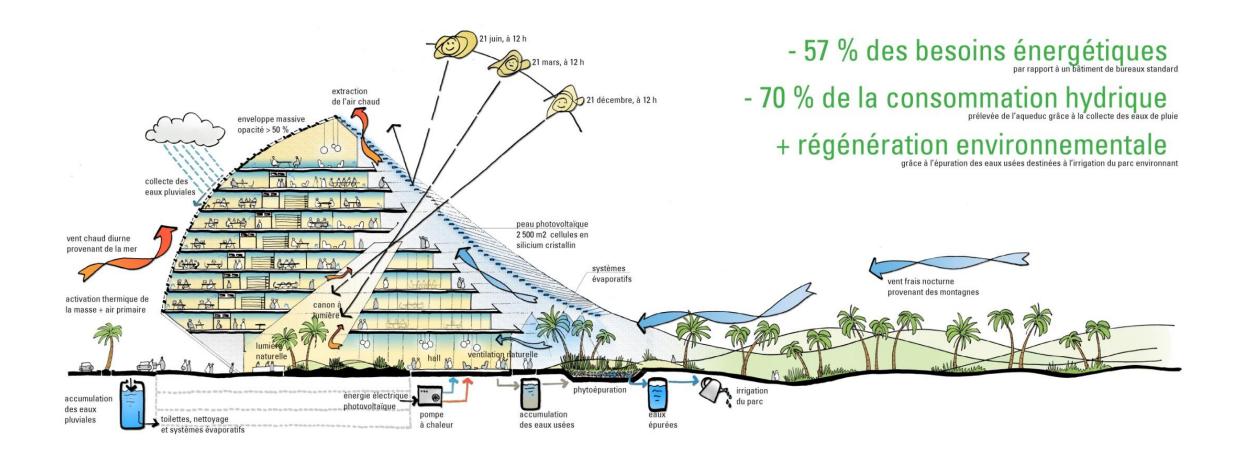


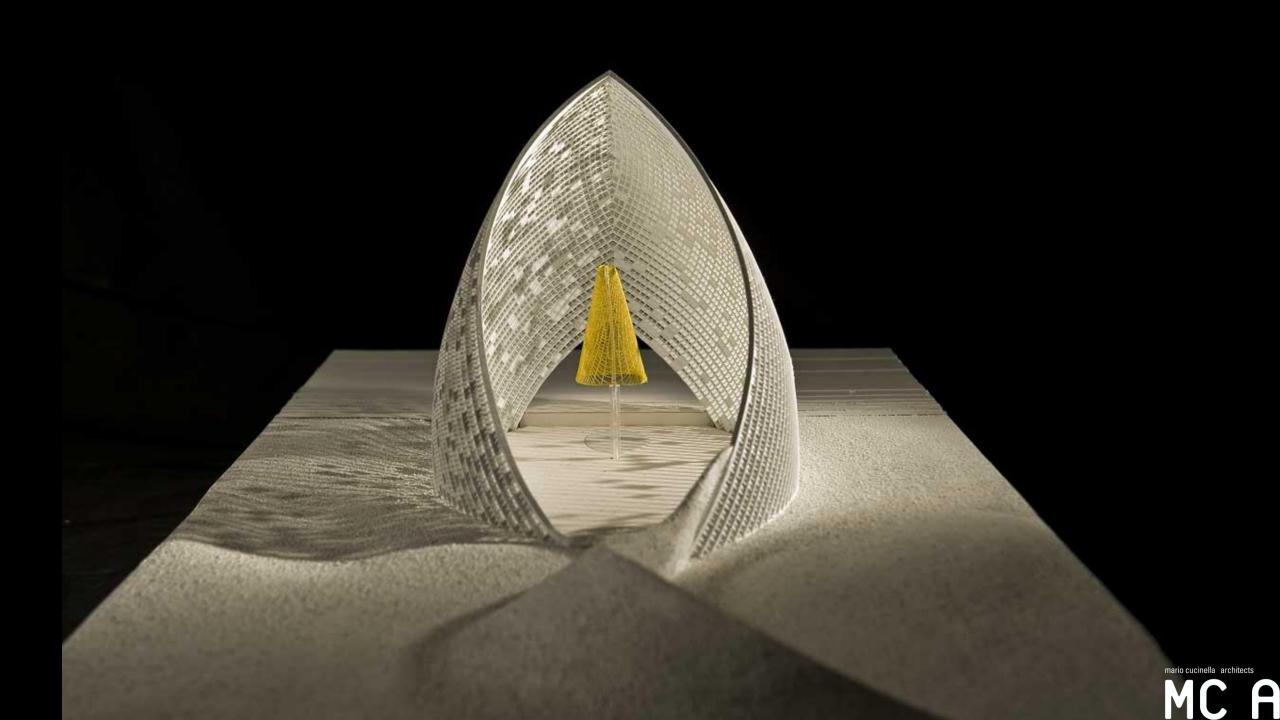


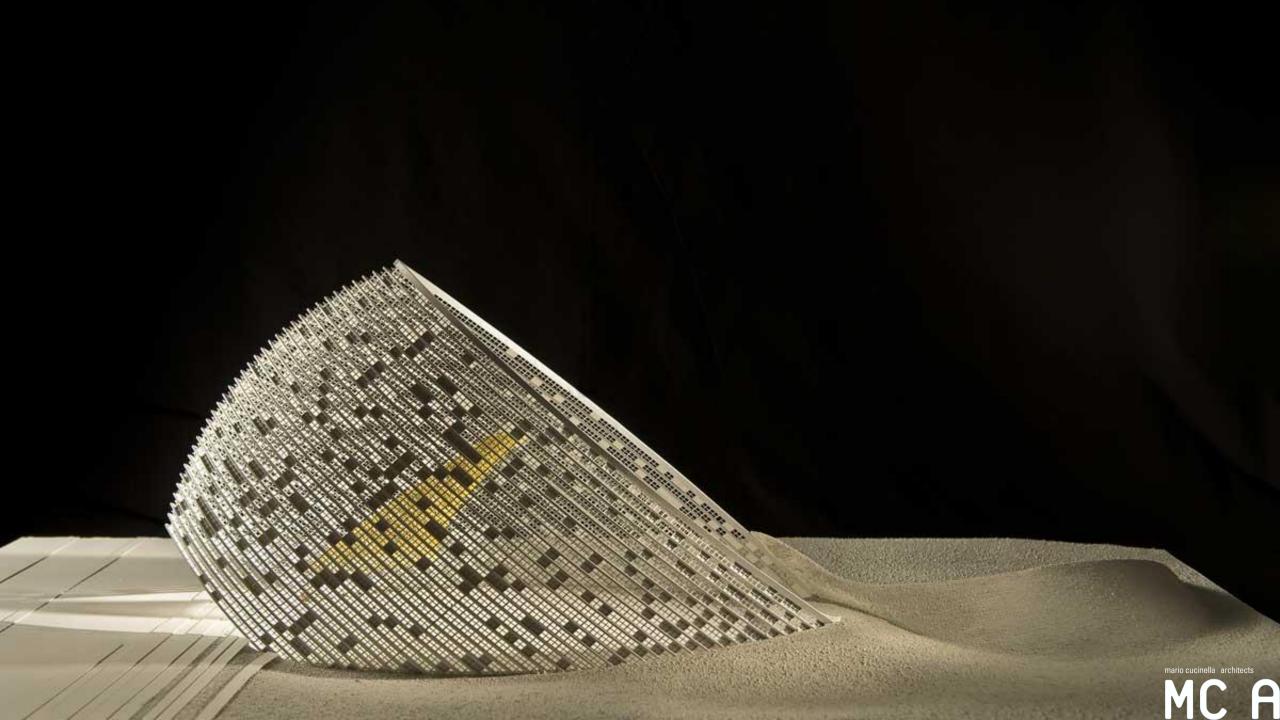




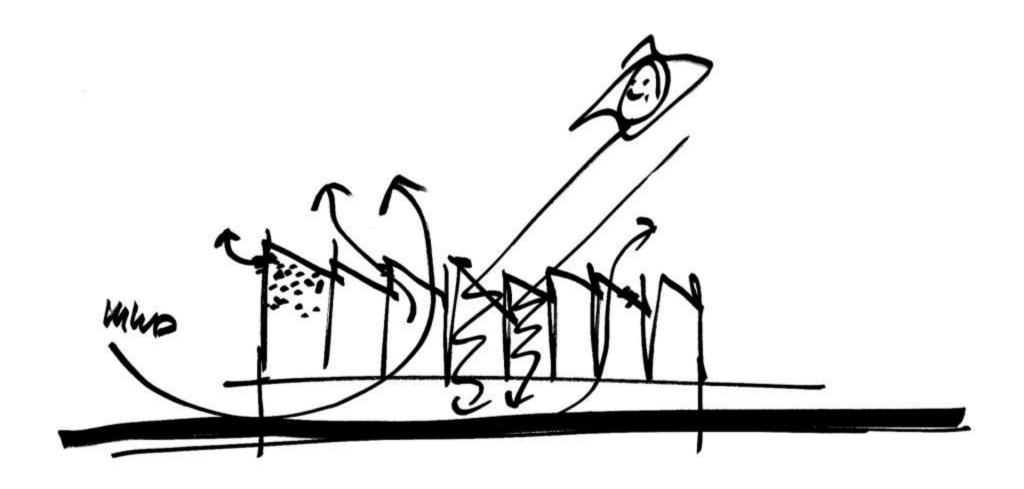






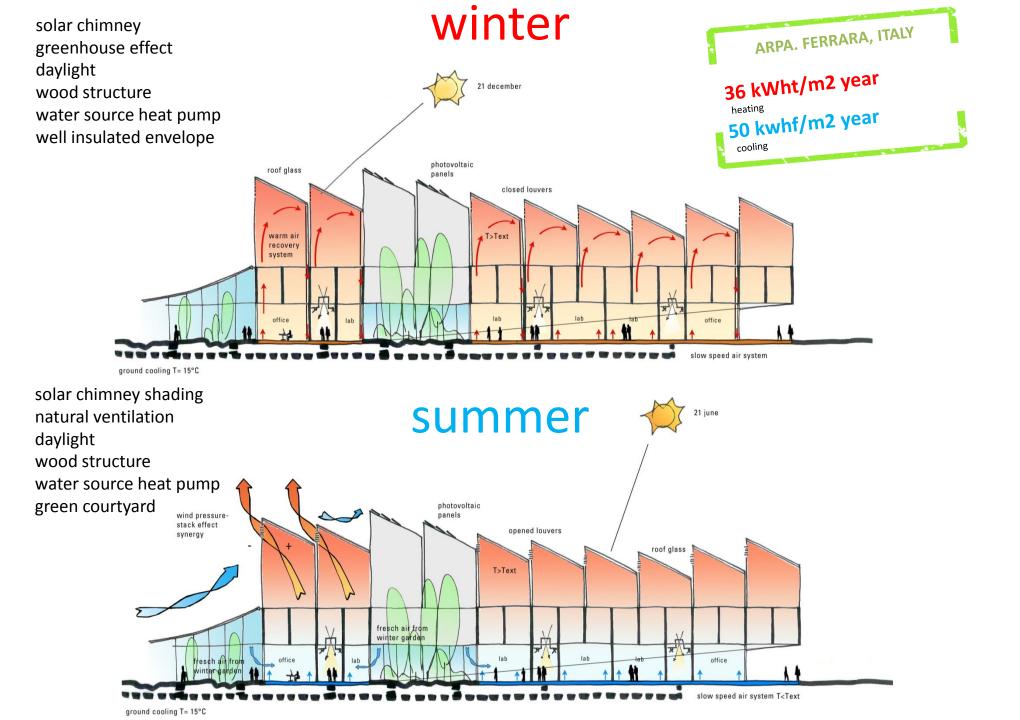




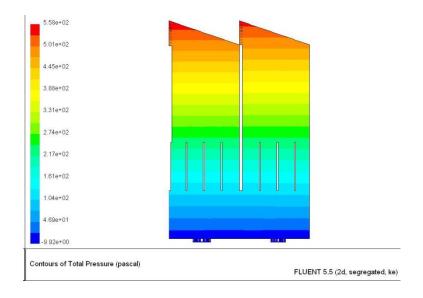


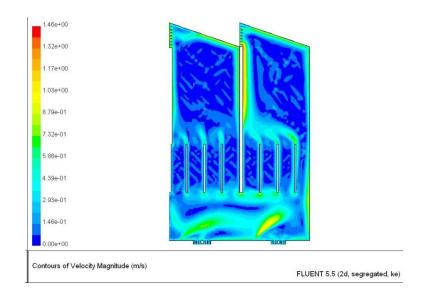


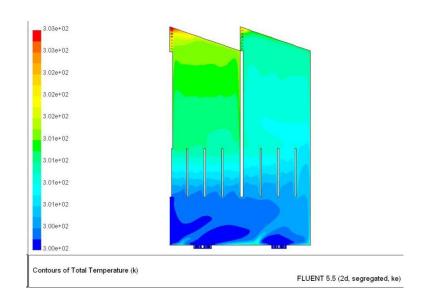


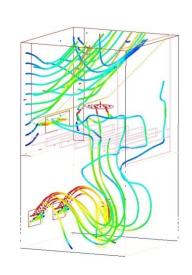


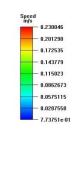
# **CFD** analysis





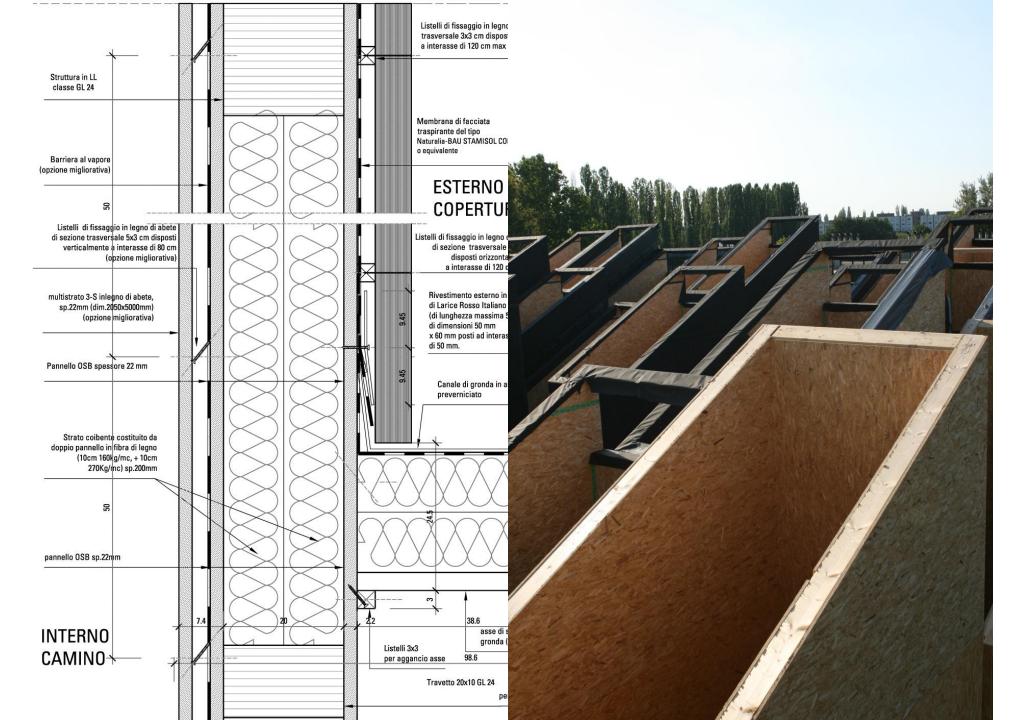






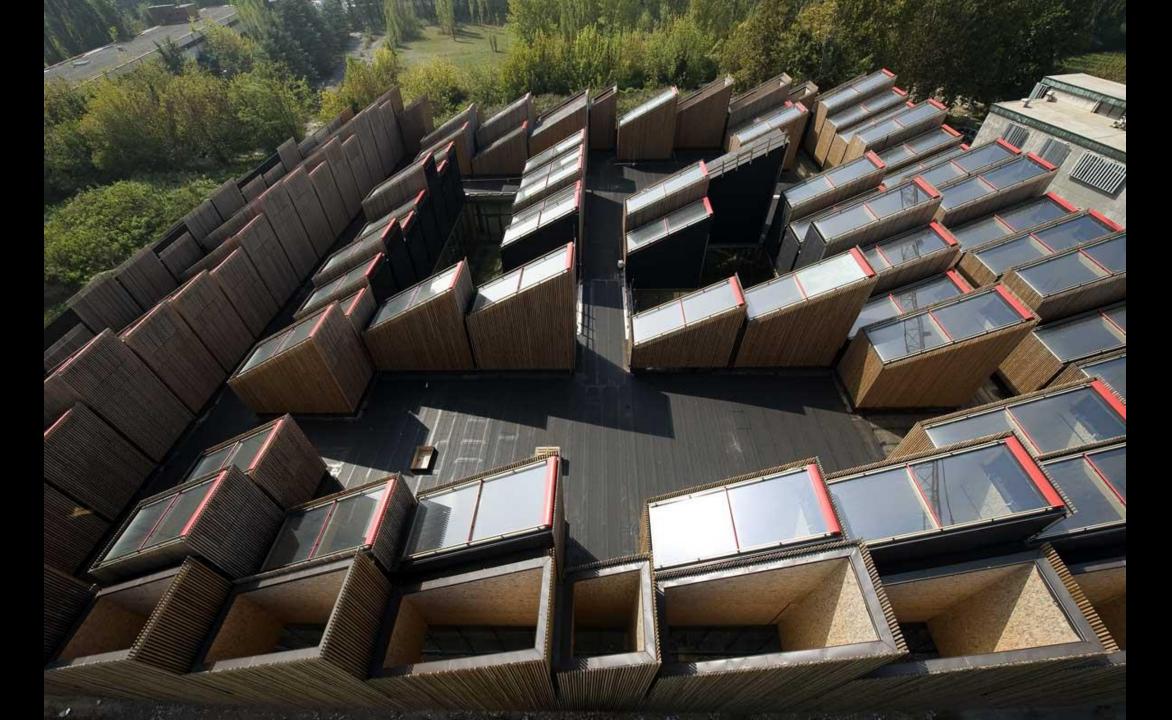




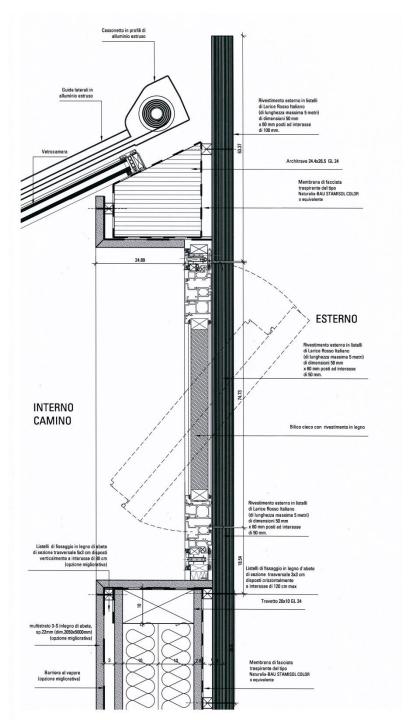


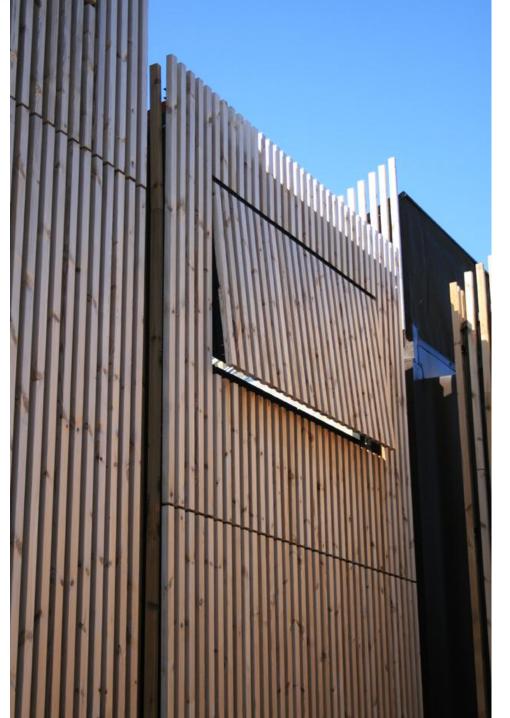
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# Casa della Musica

Pieve di cento (BO)

















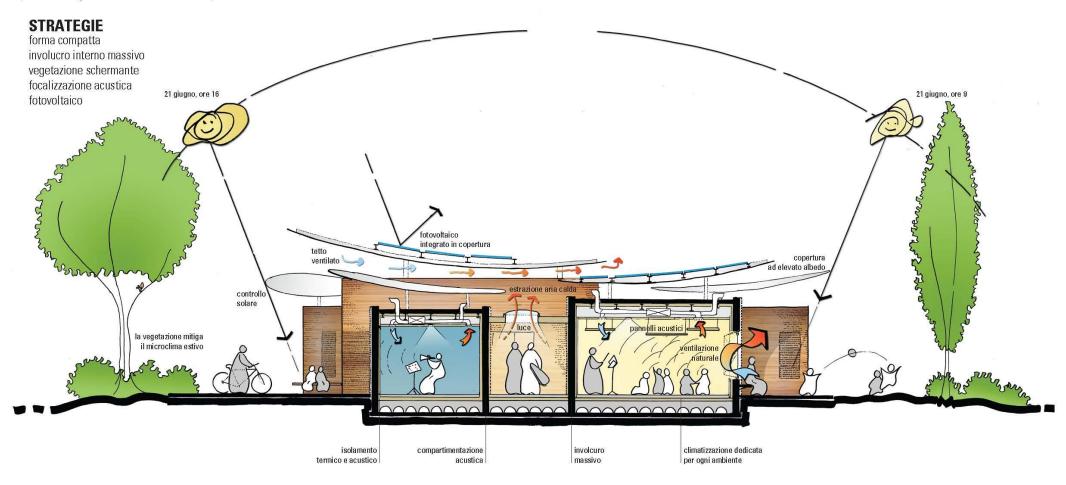


### CLASSE ENERGETICA A secondo quanto previsto dal Piano Energetico Regionale e la DGR 1366/11

#### -35% DI FABBISOGNO ENERGETICO

EPi di progetto rispetto al valore limite riportato dal DAL 156/08

## 28% DI ENERGIA RINNOVABILE per la climatizzazione, grazie al contributo del fotovoltà ico installato in copertura











# GUAS TALLA

According to a study at Stanford University light and air, shape and colour are the main issues in primary schools and childcare.

Design has positive effects on learing and education

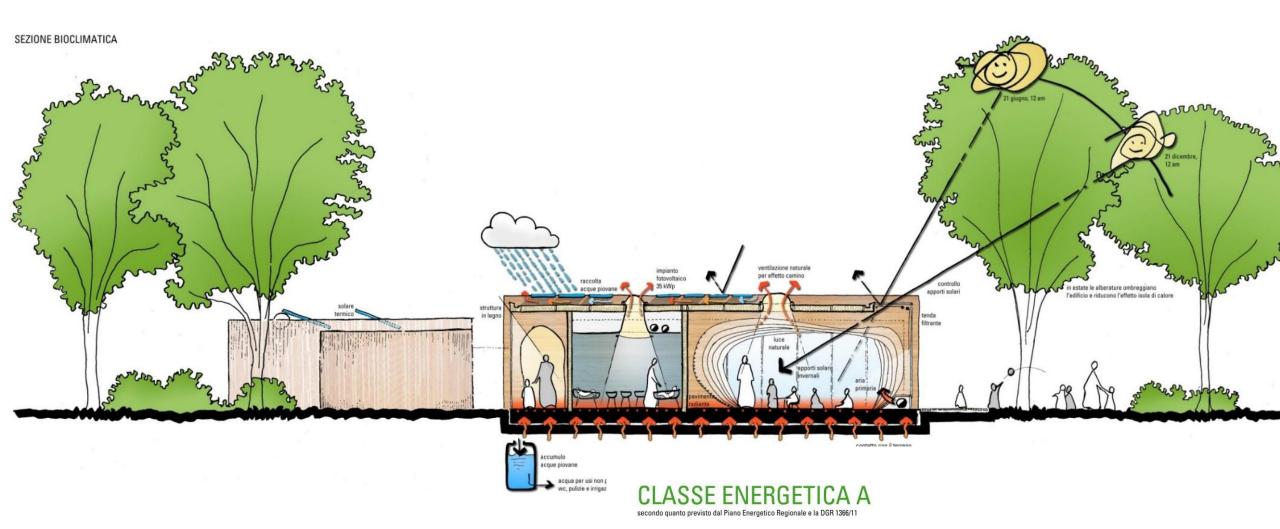












#### 40.5% ENERGIA RINNOVABILE

azie al contributo del fotovoltaico e del solare termico installati in copertura

#### -57% DOMANDA IDRICA

grazie al recupero delle acque piovane e all'uso di rubinetterie a basso consumo, rispetto al fabbisogno idrico standard stimato in 3125 litri/giorno



















