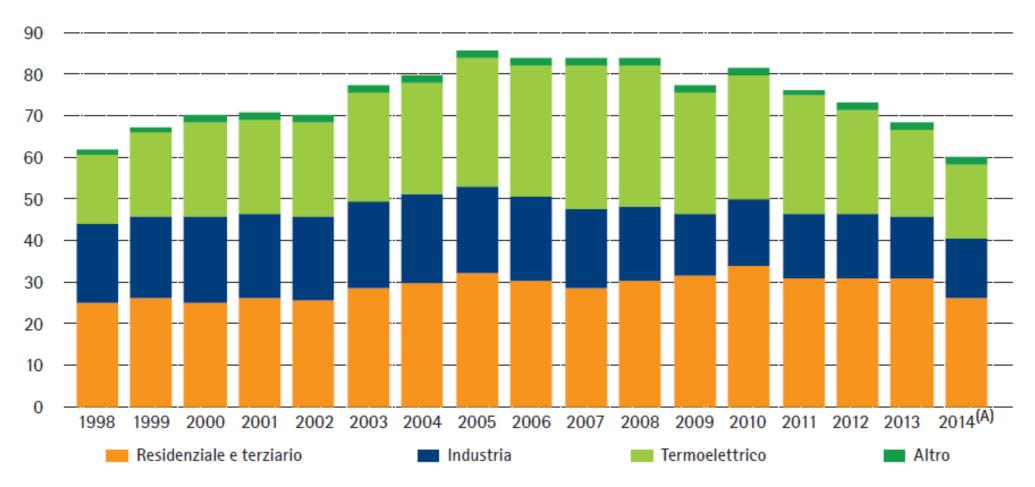




Edifici esistenti

- Gli edifici sono diventati il maggiore componente di consumo nel bilancio energetico nazionale
- Ogni anno in Italia ed in Europa si sostituisce solo 1-1,5 % del patrimonio edilizio



(A) Dati provvisori.

Fonte: Ministero dello sviluppo economico, Bilancio energetico nazionale, vari anni.

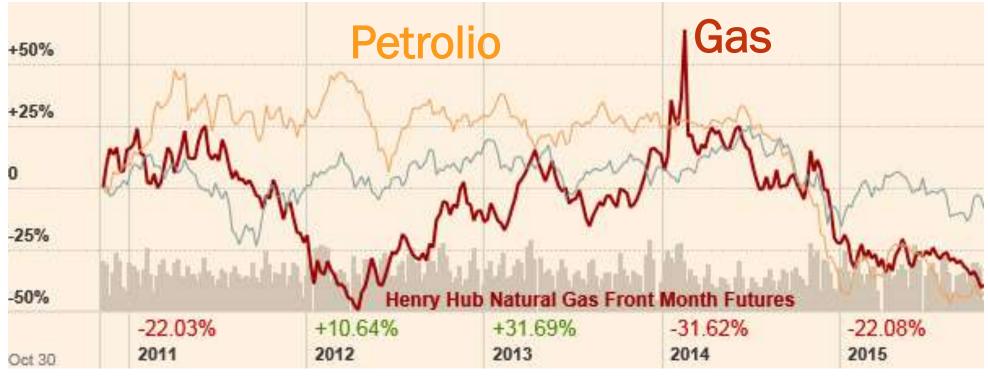




Mercato energetico instabile

Andamento del prezzo dell'energia incerto

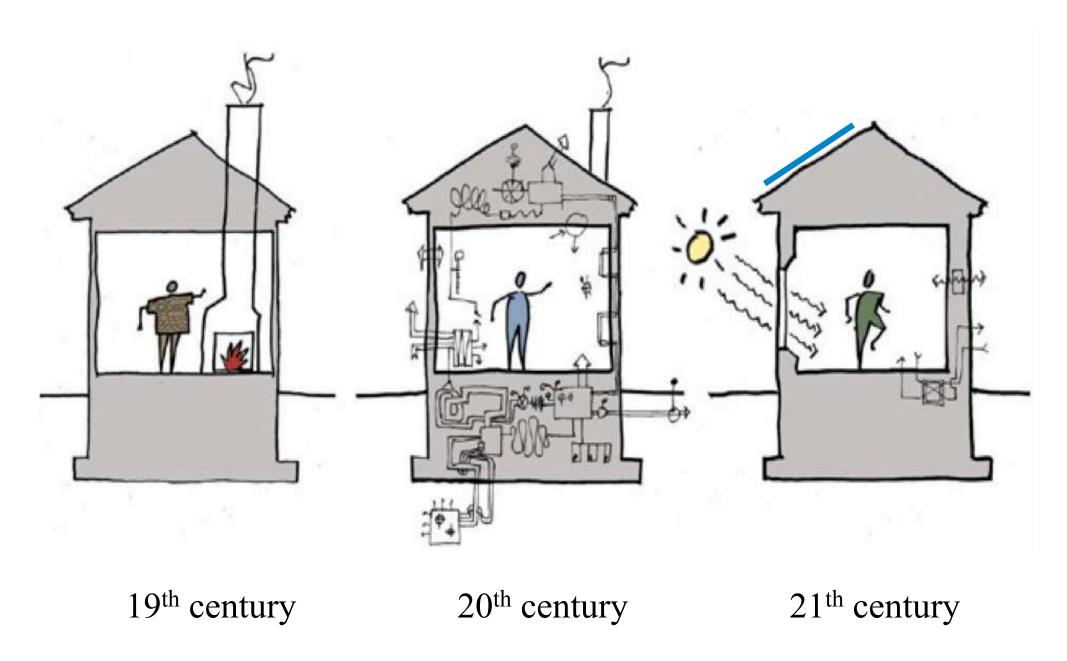








Efficienza Energetica – Trends

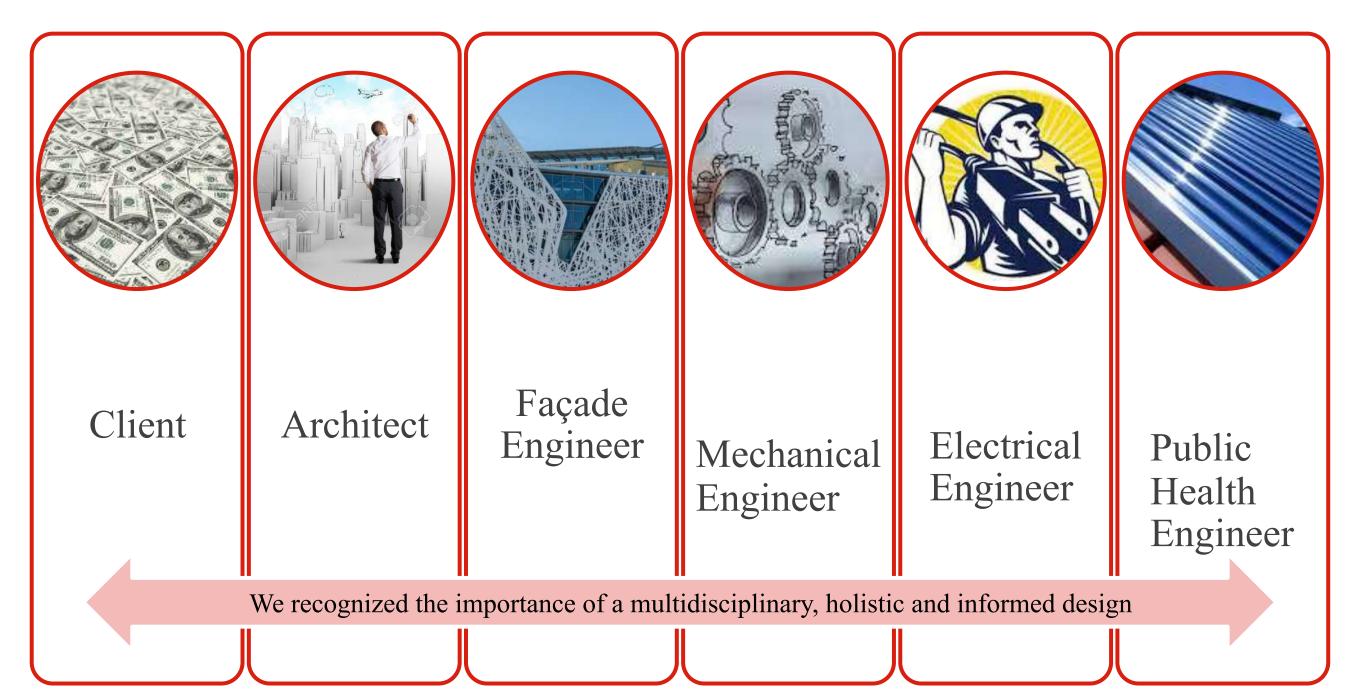


Alber, Righter and Tittmann Architects





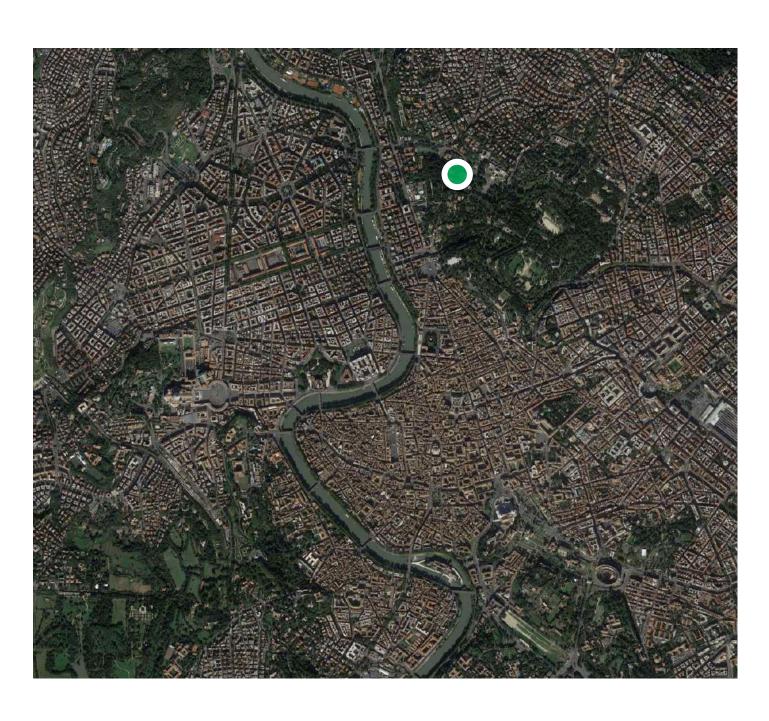
Efficienza Energetica - Contesto

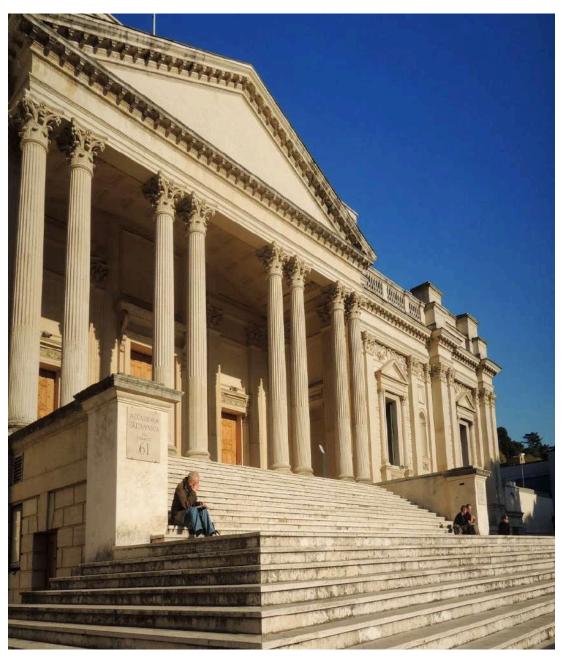






The British School at Rome

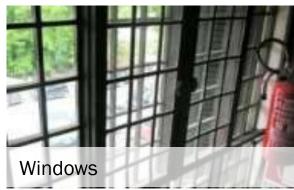




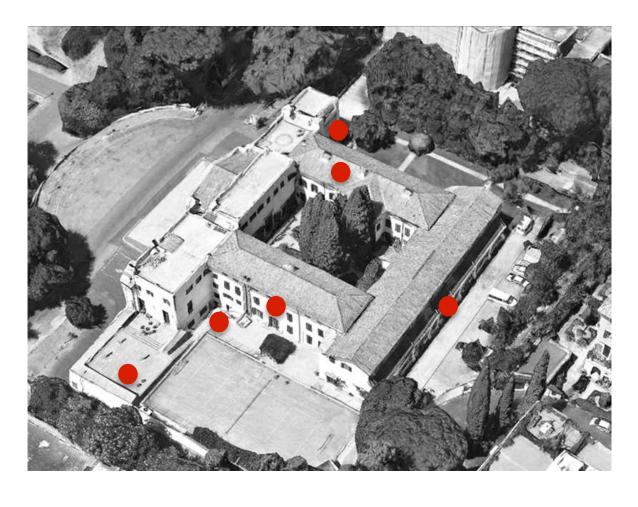


The British School at Rome



















The British School at Rome













Guy's Hospital Tower







Guy's Hospital Tower











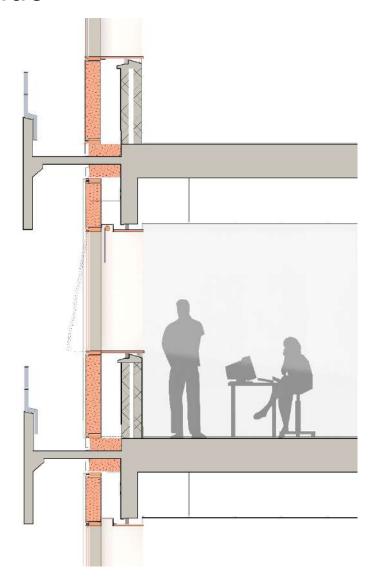


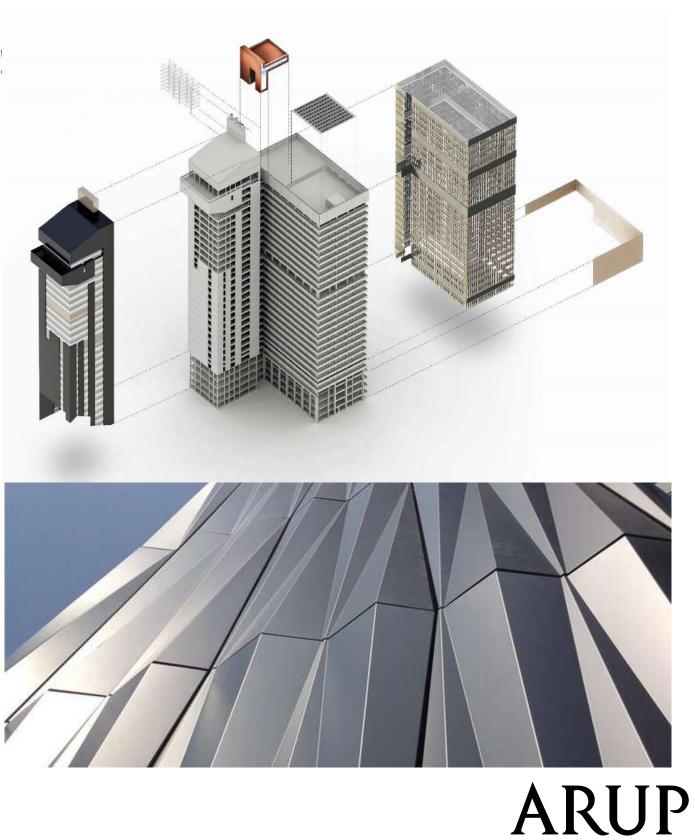
ARUP



Designing the new facade

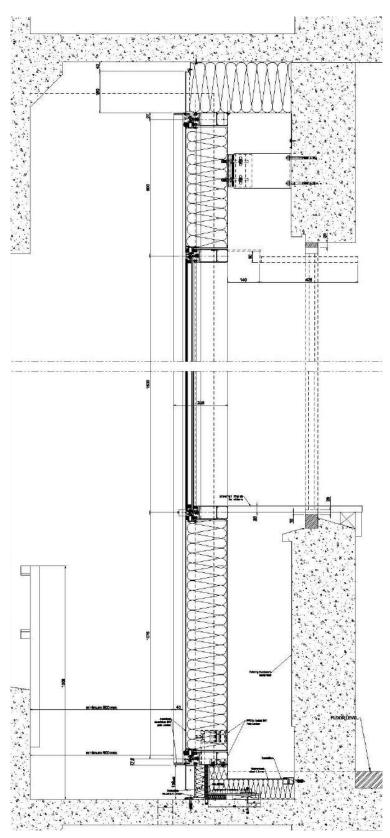
- Designing for Buildability was essential
- To be lightweight!
- Cladding installed from balconies and outside

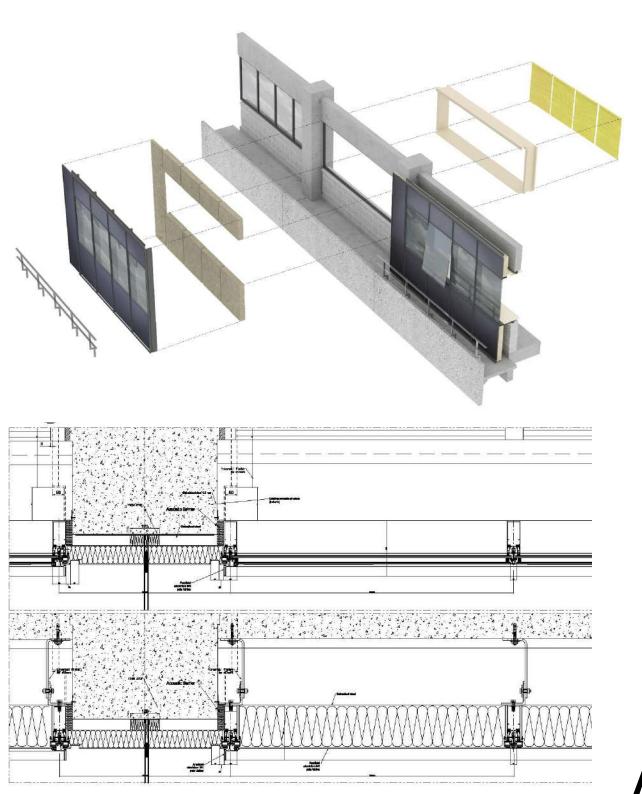






Designing the new facade

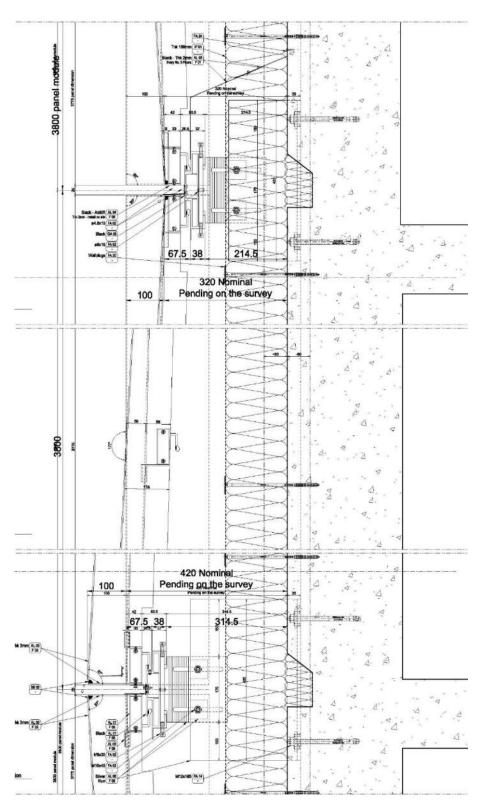




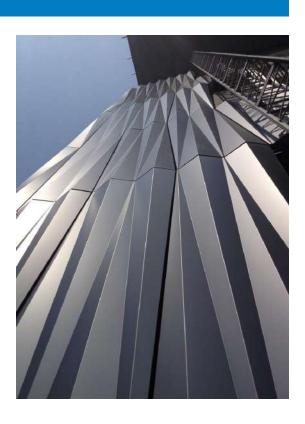


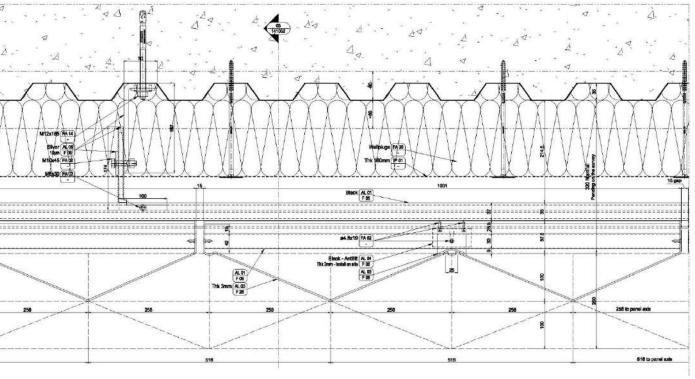


Designing the new facade





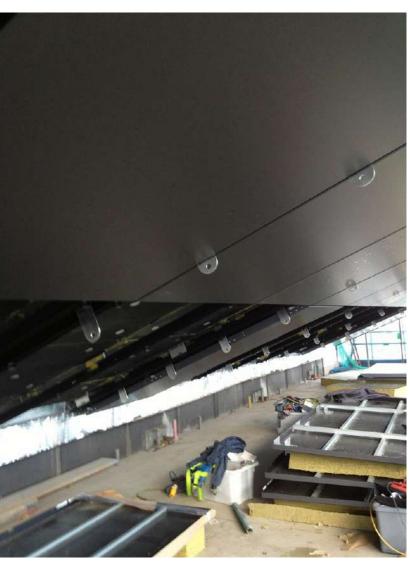


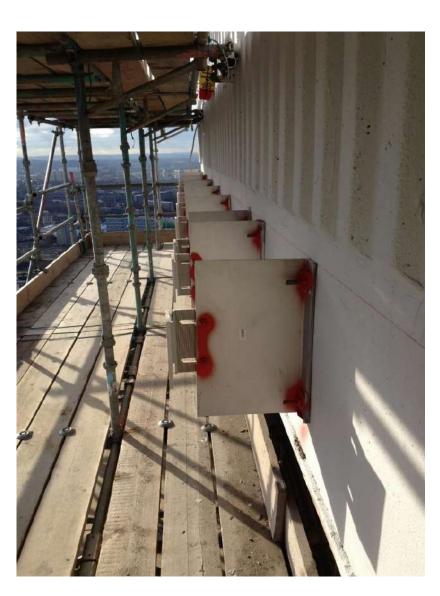




Fase di cantiere









Fase di cantiere



- Hospital never stopped operations during façade recladding
- Floor by floor and bay to bay detailed planning of interventions



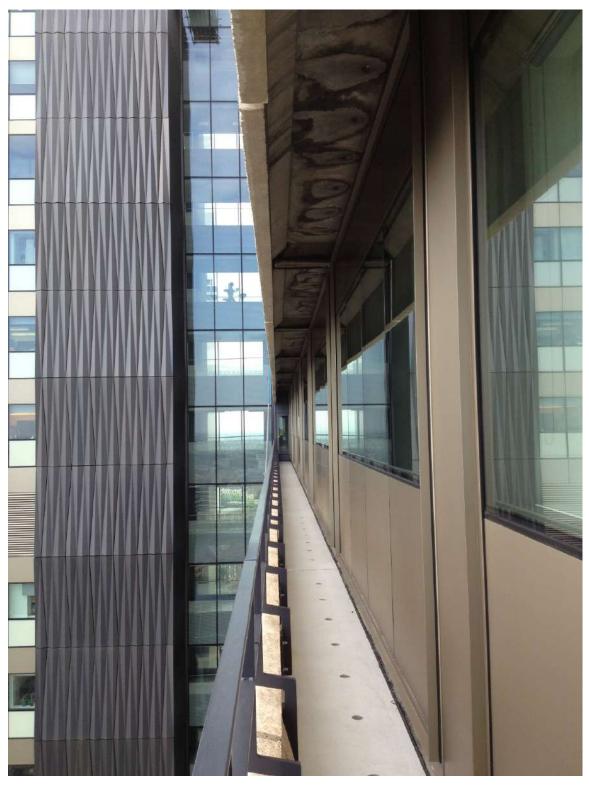


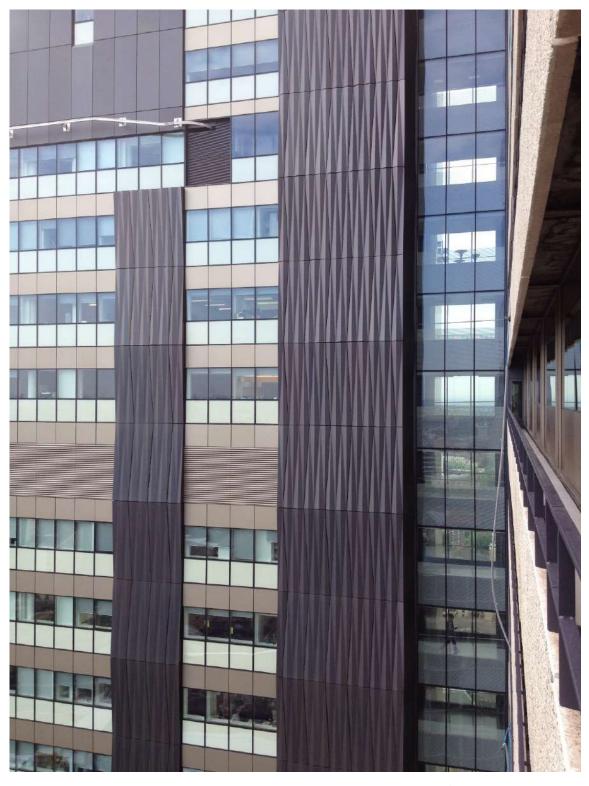
Fase di cantiere





Le nuove facciate







Demo case Rome









Demo case Zaragoza

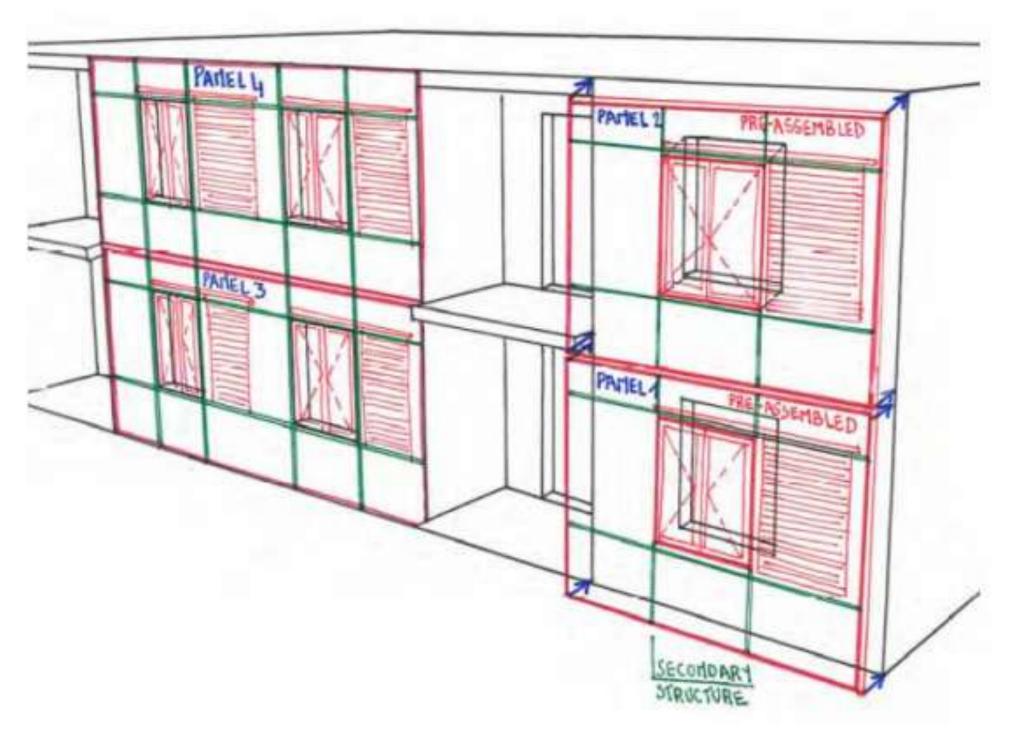








Concept pannellizzazione







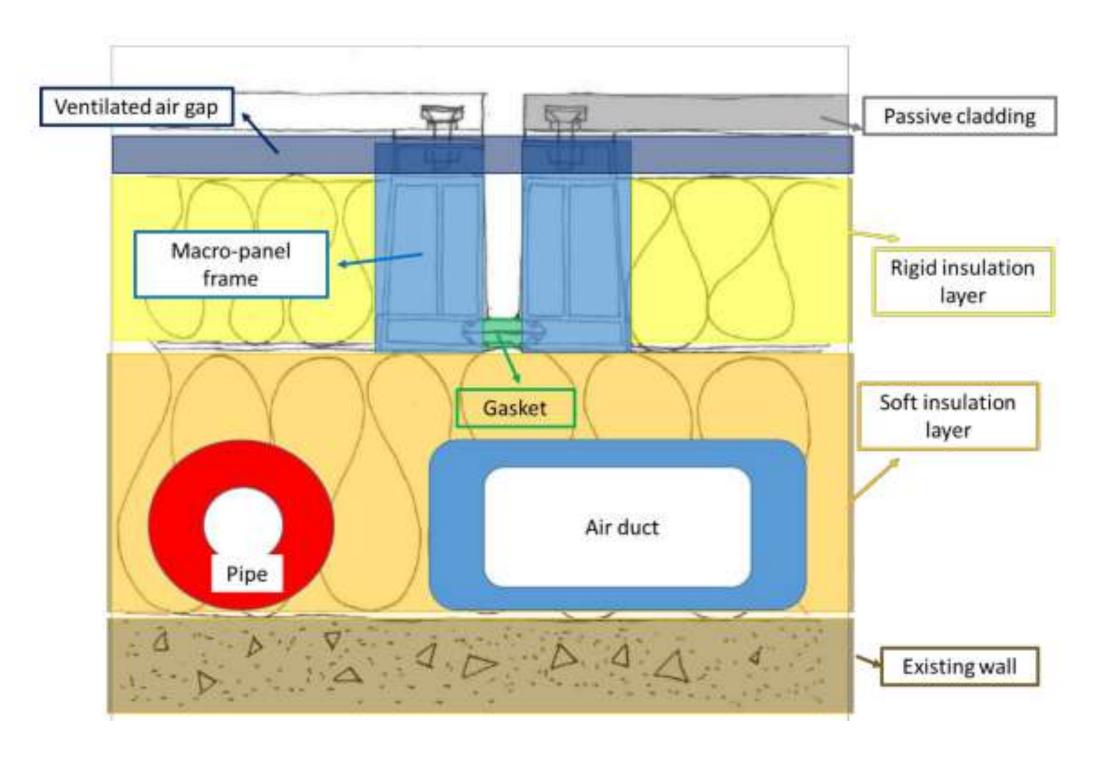
Concept pannellizzazione







Concept pannellizzazione







Macropannello di facciata

