

VIDEOCONFERENZA

Giovedì 19 novembre 2020 | ore 11.00

FOCUS SU

Innovazione e Costruzioni: un Insight sugli Osservatori del Dipartimento ABC



**POLITECNICO
MILANO 1863**

DIPARTIMENTO DI ARCHITETTURA,
INGEGNERIA DELLE COSTRUZIONI
E AMBIENTE COSTRUITO

Gli Osservatori del Dipartimento ABC Materiali e sistemi innovativi

INGRID PAOLETTI

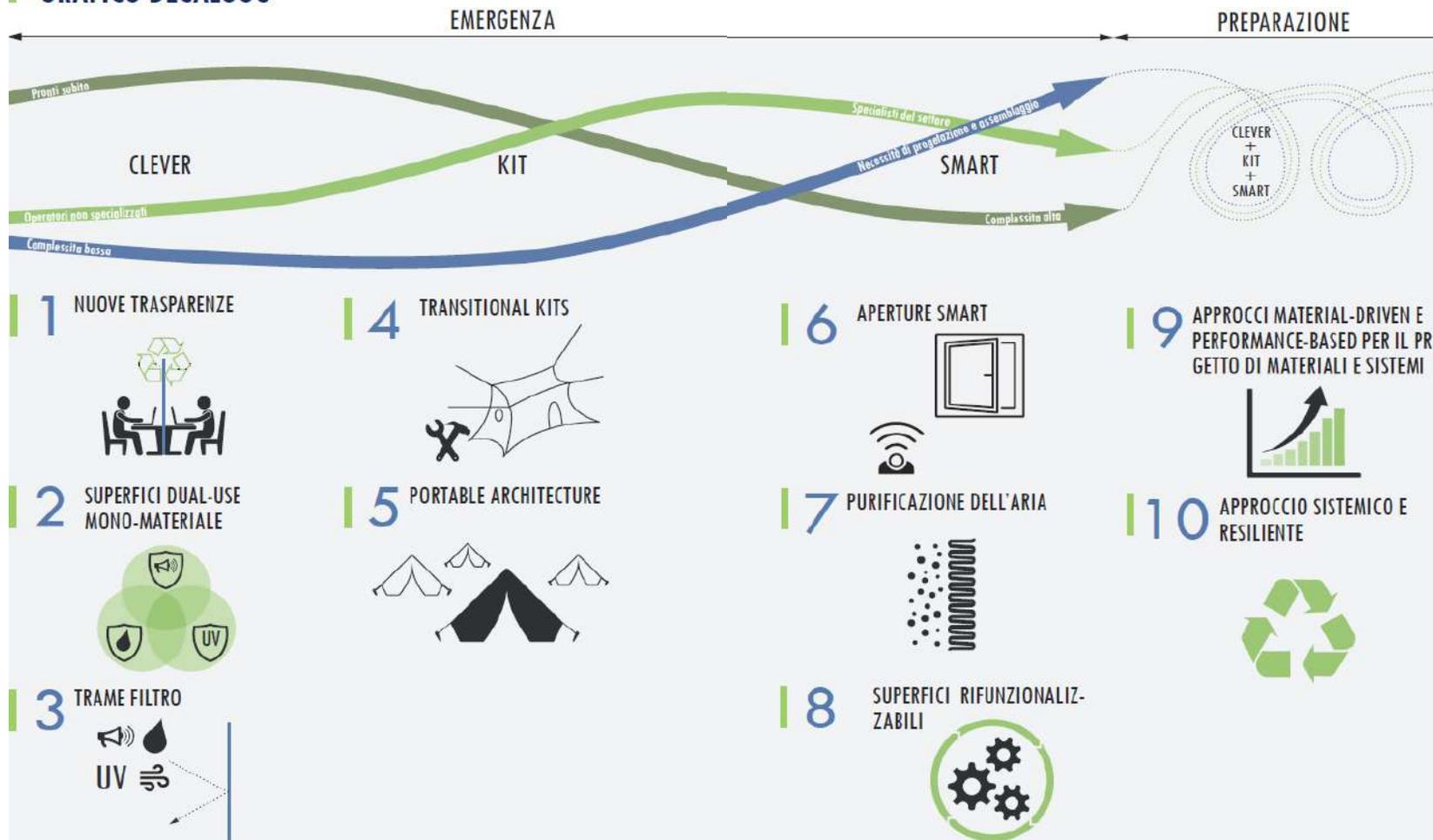
*Direttore Dipartimento Architettura ingegneria delle costruzioni ambiente costruito,
Politecnico di Milano*

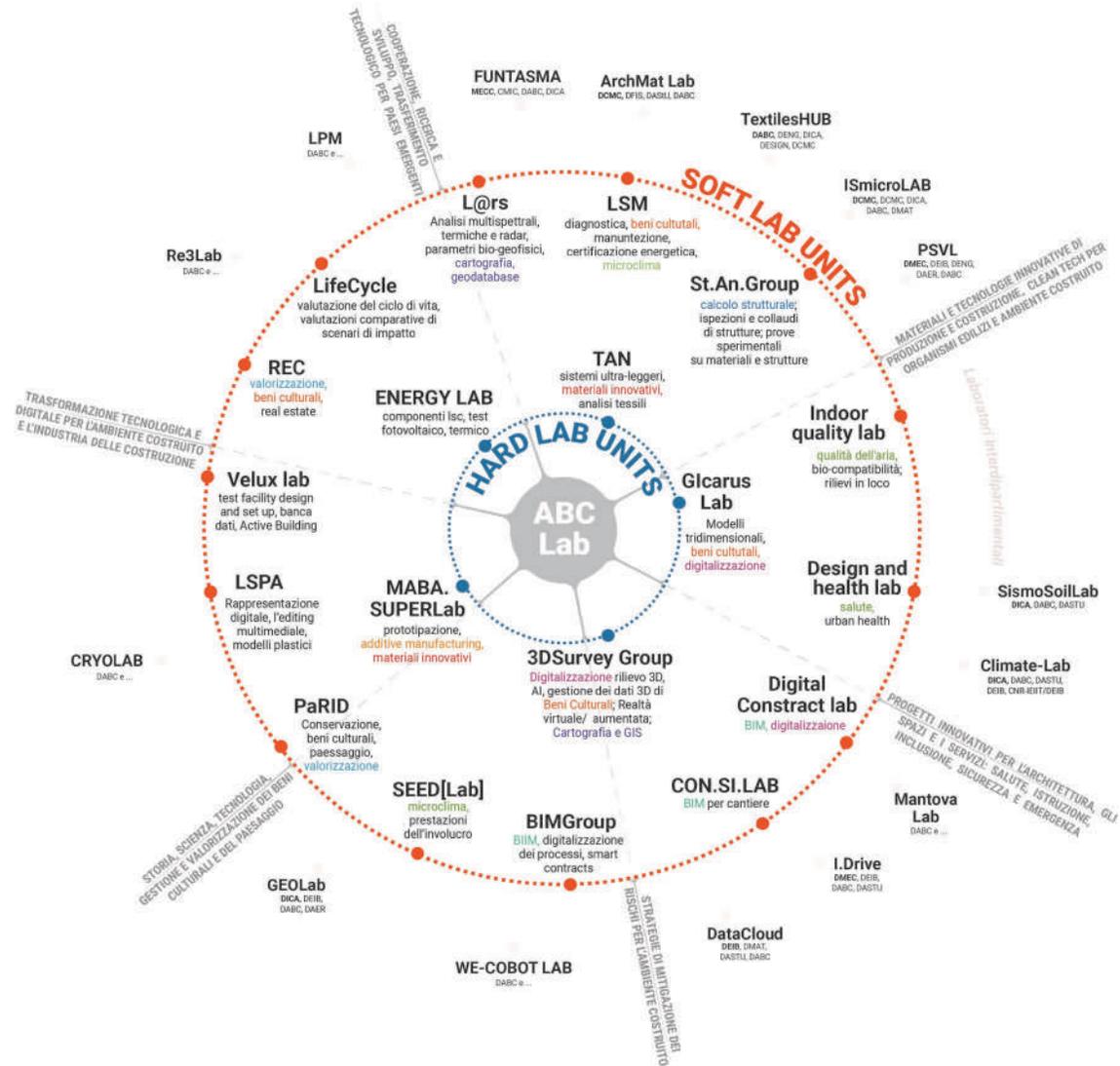
Ingrid.paoletti@polimi.it

| www.dabc.polimi.it



GRAFICO DECALOGO







SOUND SHAPING through MATERIALS FOR OUR HUMAN CONFORT

Team: Andrea Giglio, Maya Zheliakova,

NEWSLETTER / SUBSCRIBE **FAST COMPANY** NEWSLETTER / SUBSCRIBE **CO. DESIGN**

TECHNOLOGY LEADERSHIP ENTERTAINMENT IDEAS VIDEO

TRAVEL SYSTEMS LIFE & US PRODUCTS CITIES & SPACES GRAPHICS INNOVATION

The 10 Worst Things About Working In An Open-Office-In Your Words
 We asked you what you hate about your open-office layout. And you told us. Oh boy, did you tell us.

Can Better Acoustics Make Open Offices Suck Less?
 Please say yes.

PROPERTY REPORT

Can't hear yourself think in your new open-concept office? You're not alone

WALLACE HEMENWAY
 SPECIAL TO THE GLOBE AND MAIL
 PUBLISHED JUNE 12, 2017
 UPDATED JUNE 13, 2017

Open-plan offices can be bad for your health

Surveys find that working check-by-check with your colleagues is bad for your productivity and well-being.

VERTICAL • OFFICE DESIGN

The Open-Office Concept Is Dead

Design an office space with better acoustics for employee productivity

According to a study conducted by the University of California, Berkeley, where 63,000 people from across continents were surveyed over the past decade, more than half of office workers are dissatisfied with the level of 'speech privacy' leading to disruption in their work.

Bloomberg • New Technology to Fight the Tyranny of the Open Office Plan

New Technology to Fight the Tyranny of the Open Office Plan

When a hand-printed "do not disturb" sign isn't enough

By Seth Porges
 July 24, 2015, 6:41 PM GMT-7

Ufficio open space? Il 42% non sopporta le chiacchiere, il 41% sogna l'ufficio vecchio stile

Il rumore in ufficio distrugge la produttività

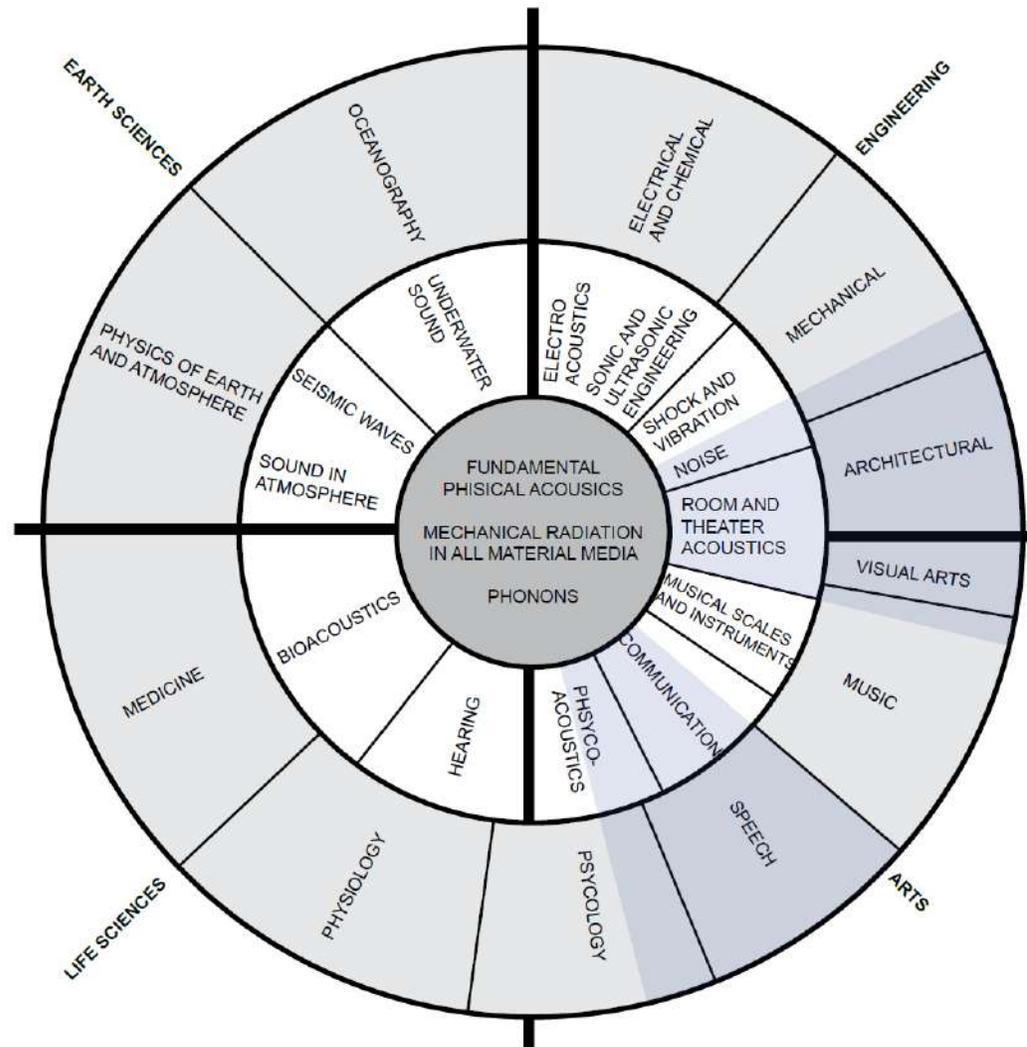
Investimento ovvio: gli open space sono sempre più diffusi, ma il prezzo da pagare per questi ambienti non è da sottovalutare.

CRITIC'S NOTEBOOK

Dear Architects: Sound Matters

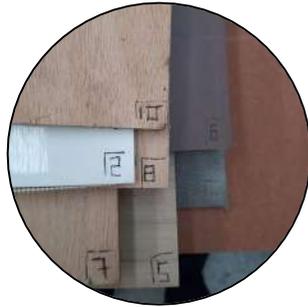
By MICHAEL KIMMELMAN December 29, 2015





"Lindsay's Wheel of Acoustics"
The Journal of the Acoustical Society of America, by R. Bruce Lindsey, 1964.

Materials for acoustic



Legno



Sughero

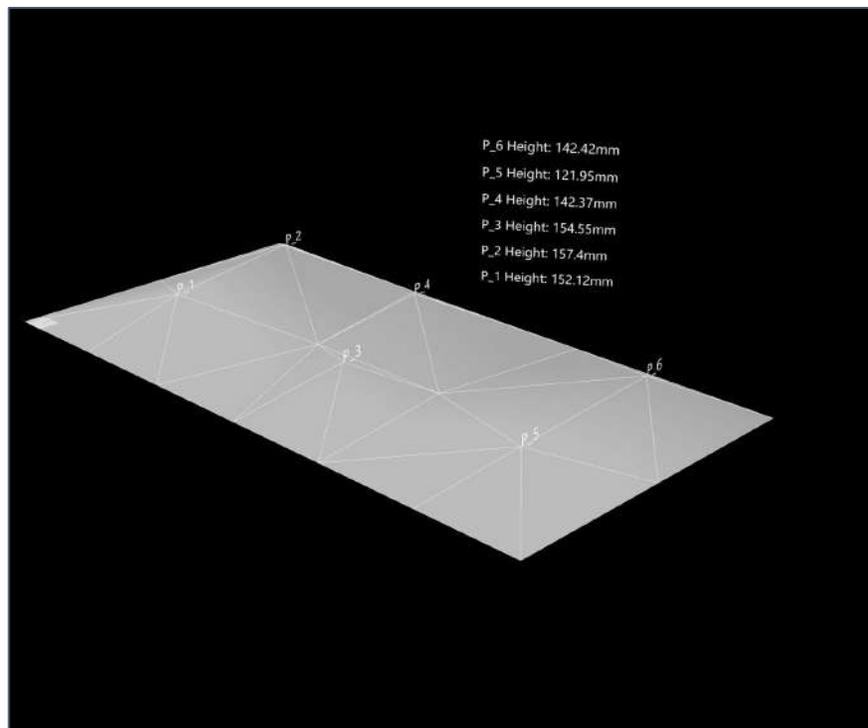


Tessuti
acustici



bio integrated
material

Materials for acoustic



Progetto "EcoAcustica. Superfici innovative ed eco-sostenibili per l'acustica adattiva" . Partner: Woodskin srl, Tecnosugheri.





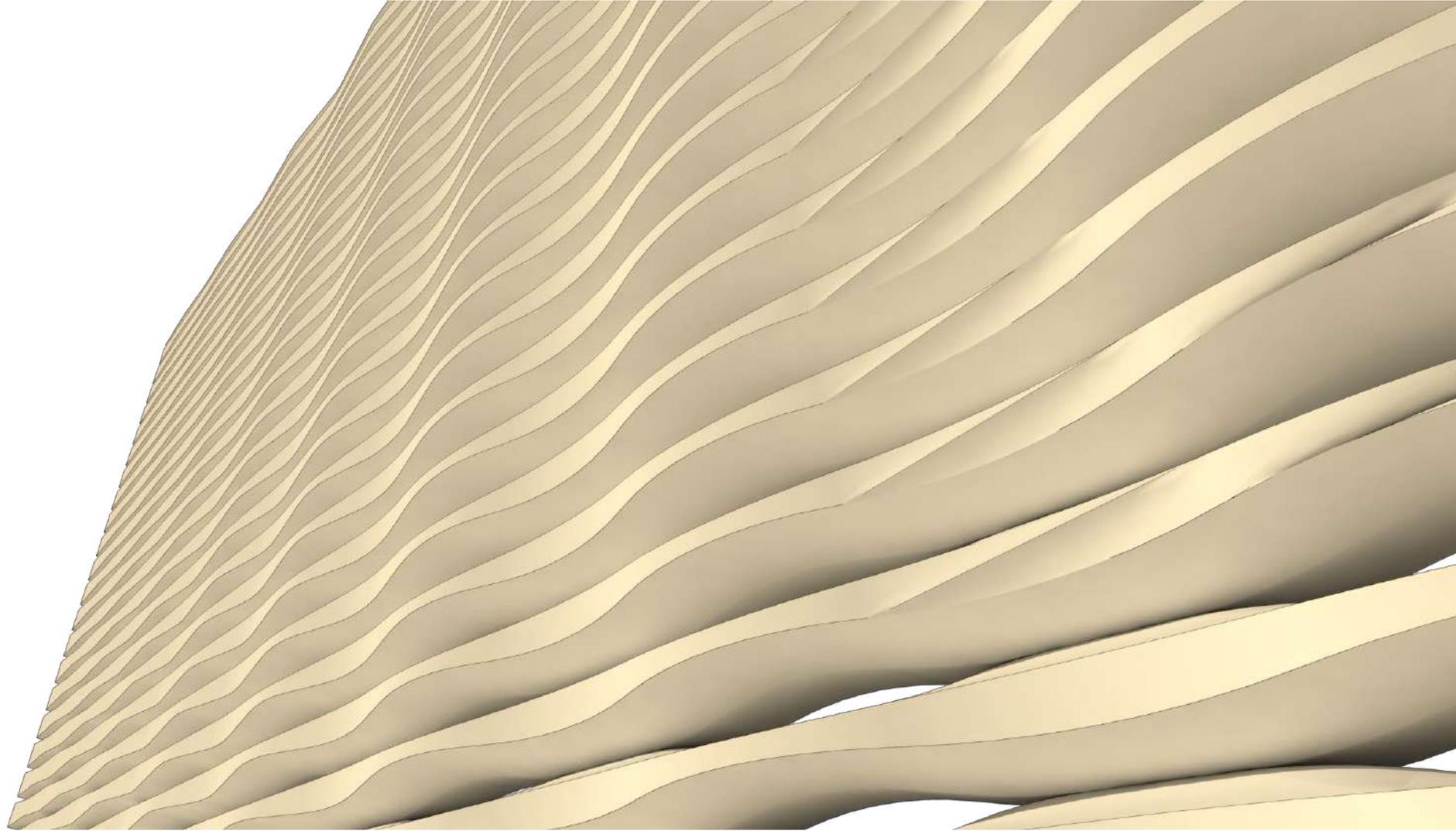
USE OF SAND WASTE FROM CONSTRUCTION SITE AS A NEW MATERIAL DESIGN

Team: Giulia Grassi, Renaud Danhaive (MIT)
Amr Ambasi



CONCEPT









MATERIALS



*LIGHTWEIGHT
FORM FLEXIBILITY*



DURABILITY



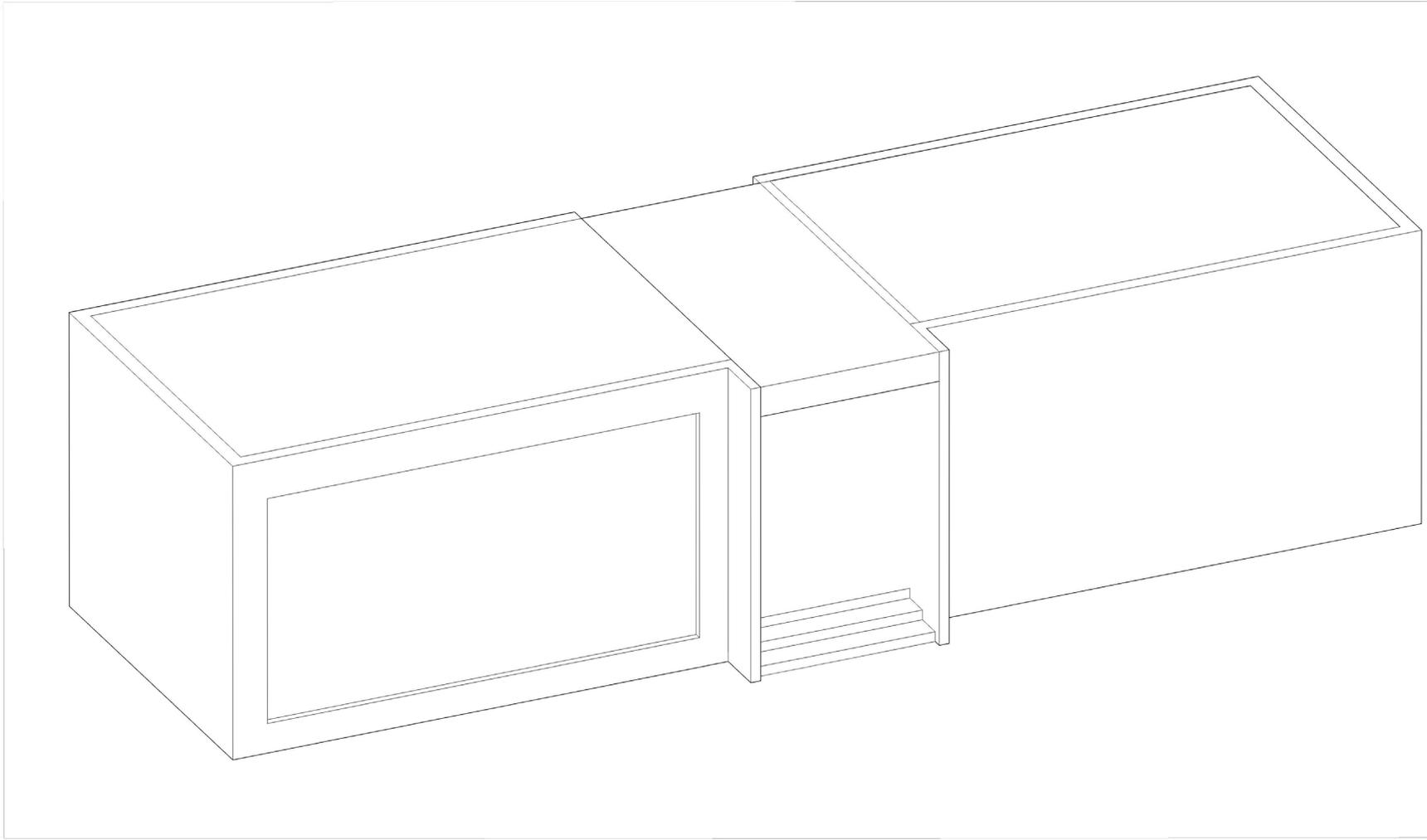
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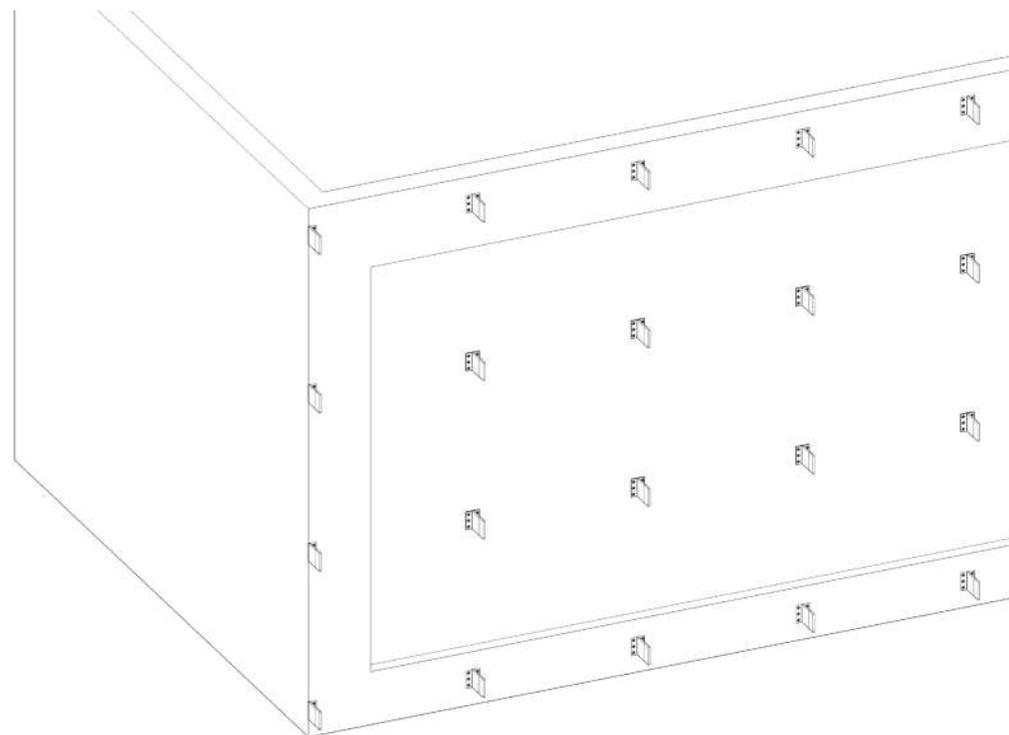
Pellet

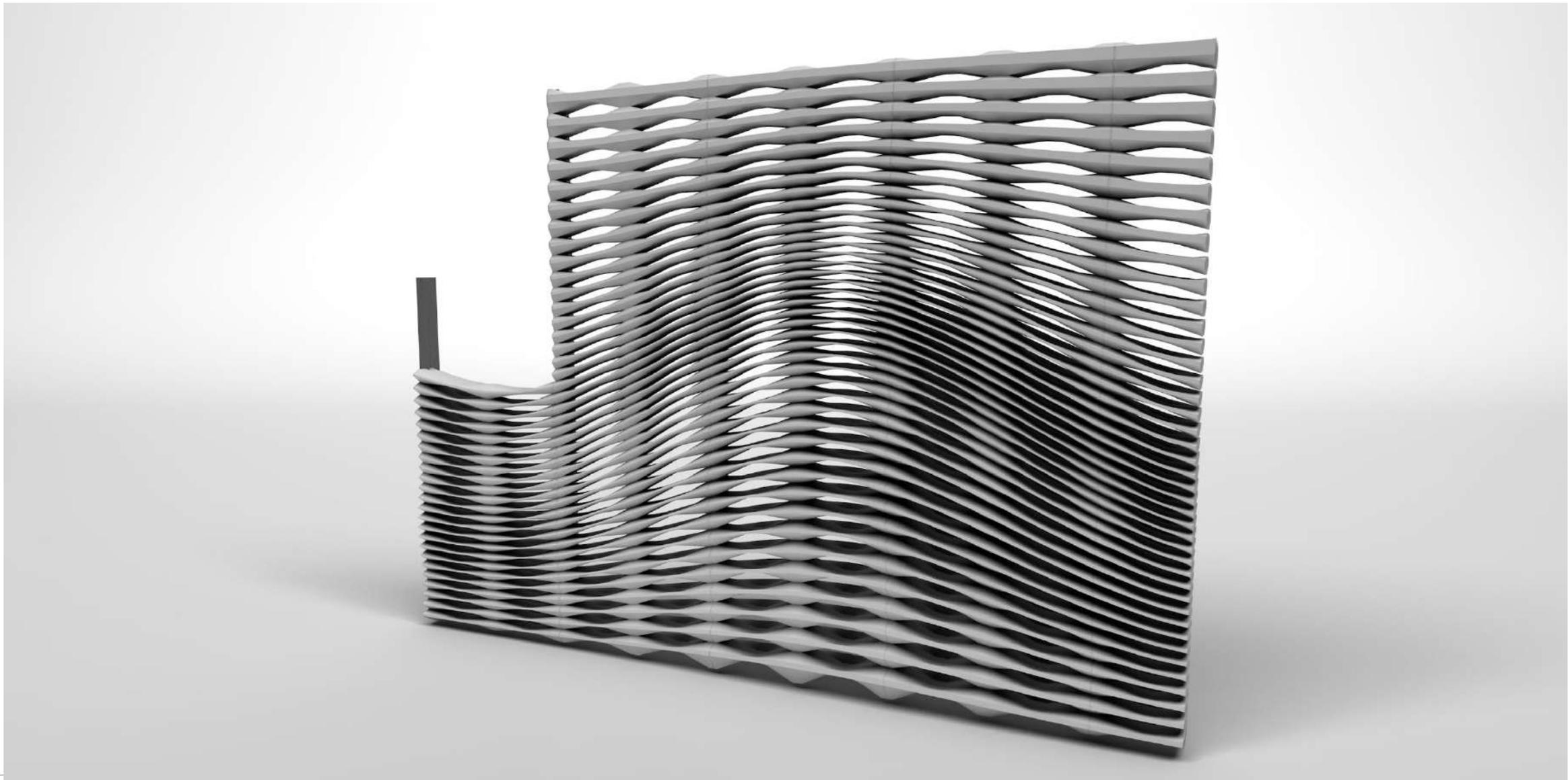


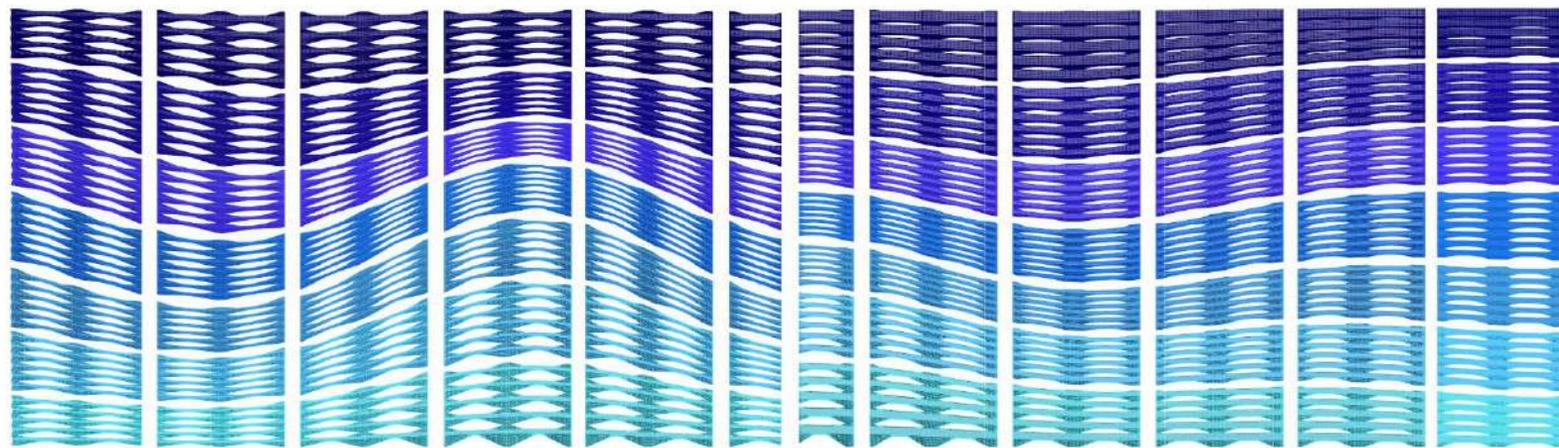


FABRICATION









PANEL SUBDIVISION



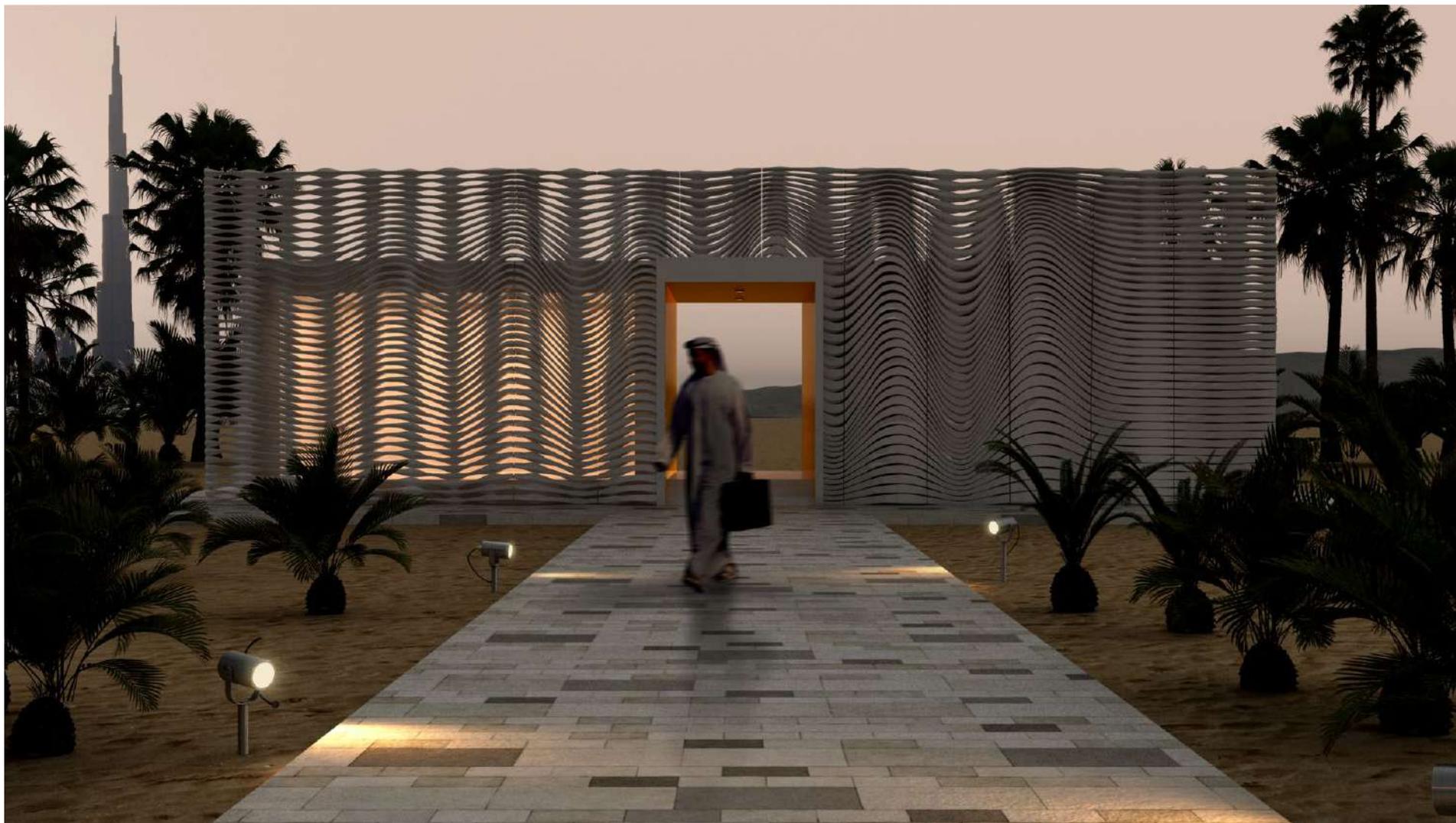
DELTA WASP 3MT

84 panels [90cm*50cm]

~1 day/panel

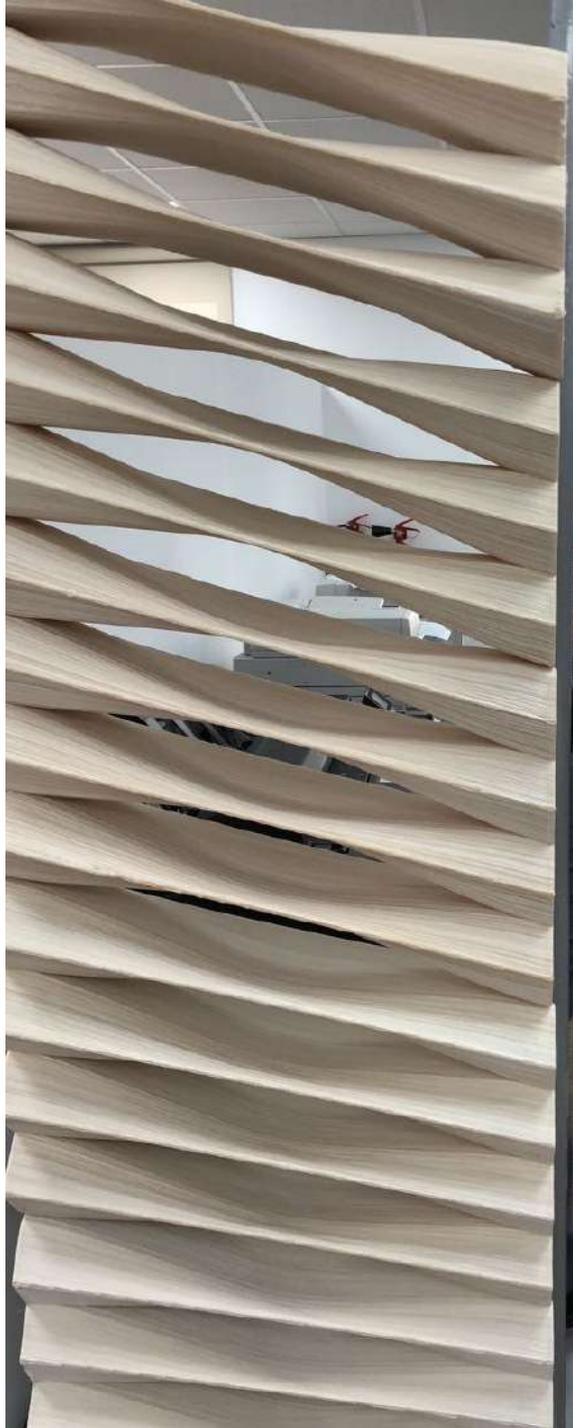
~20kg/panel

4 machines -> 21 days





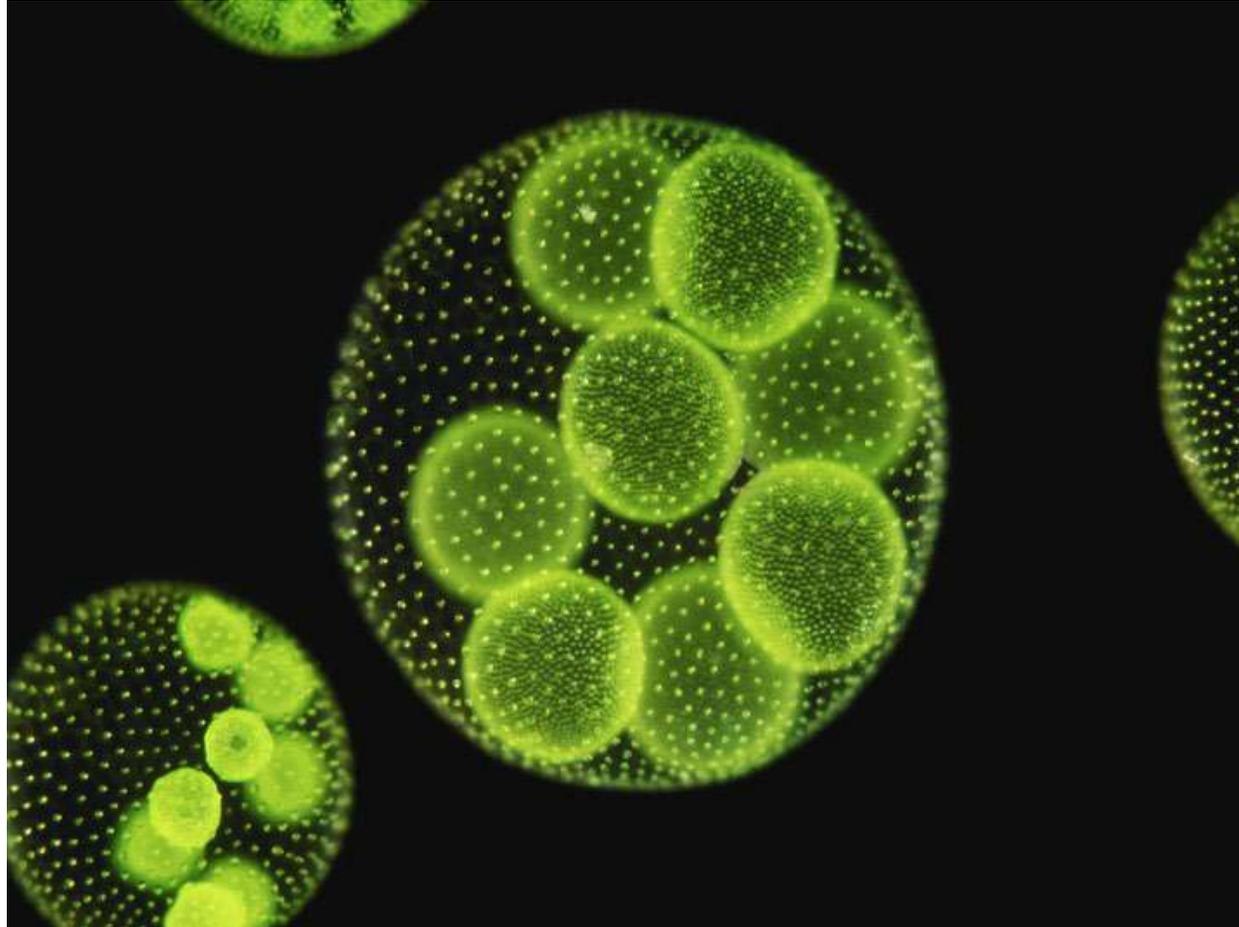






WELL BEING THROUGH BREATHING: INNOVATIVE INDOOR AIR QUALITY SYSTEM

Team: Olga Carcassi, Saverio Spadafora
Stefano Gomarsca (biologist)

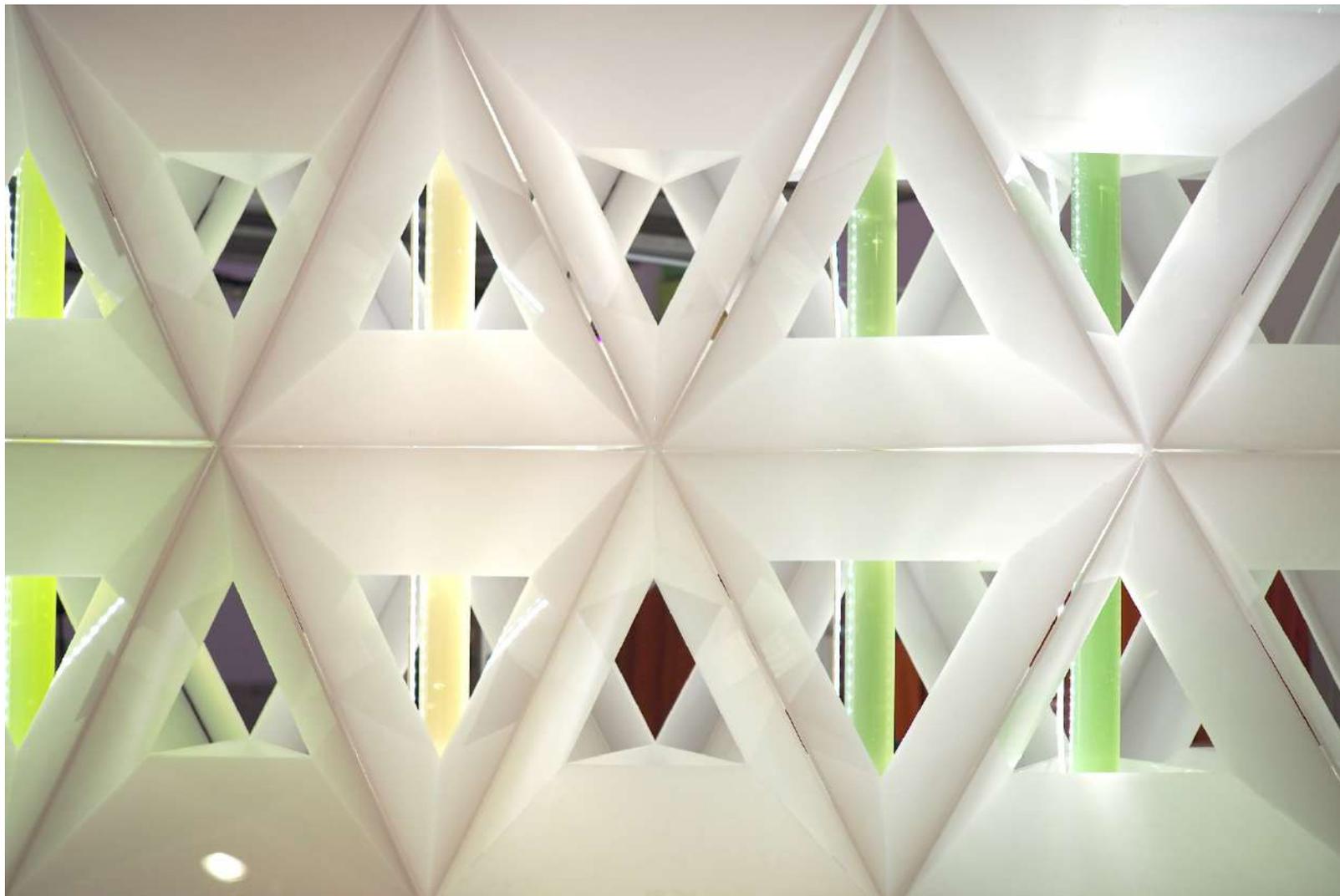




Microalgae: What is it?







Grazie,
Ingrid Paoletti

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