



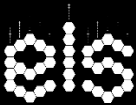
als

# ecoLogicStudio

*ecoLogicStudio specializes in art, architecture and technology for socio-environmentally responsive cities.*

*Co-founded in London in 2005 by Claudia Pasquero and Marco Poletto, the studio has built an international reputation for its biodigital work.*

*ecoLogicStudio operates in Partnership with Urban Morphogenesis Lab - UCL and Synthetic Landscapes Lab – University of Innsbruck.*





# H.O.R.T.U.S. XL

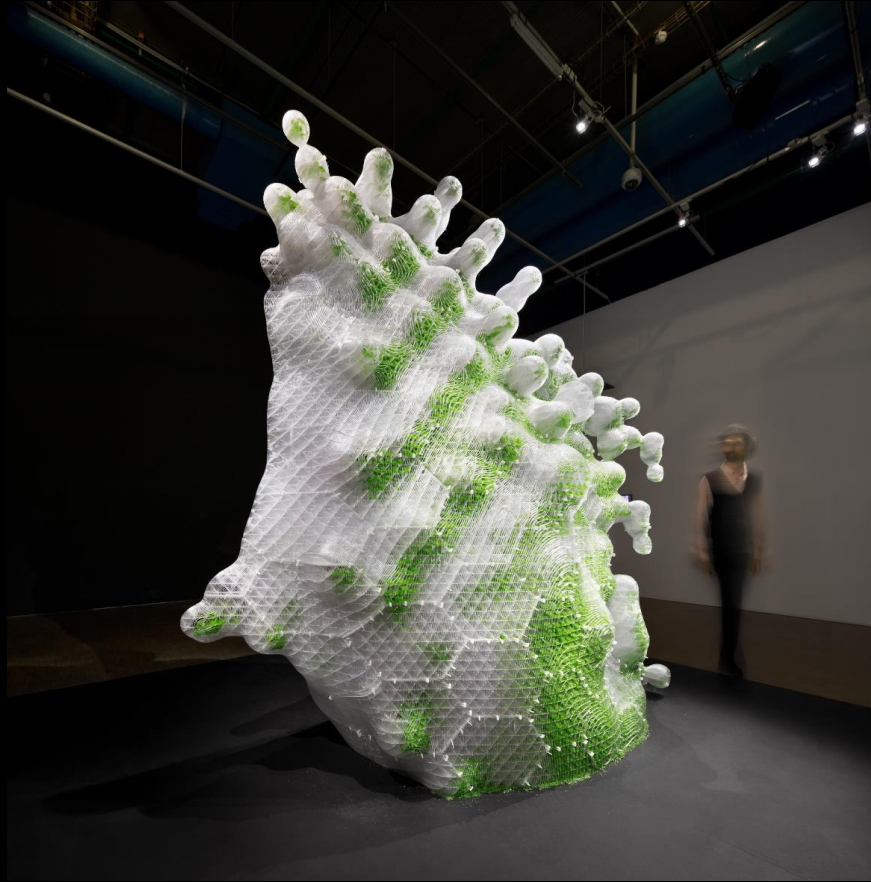
*H.O.R.T.U.S. XL Astaxanthin.g is a large scale, high-resolution 3D printed bio-sculpture receptive to both human and non-human life.*

*In the digital era a new interaction is emerging between creativity and the fields of life science, neuroscience and synthetic biology. The notion of "living" takes on a new form of artificiality. This project confronts the dictates of human rationality with the effects of proximity to bio-artificial intelligence. It is developed in "collaboration" with living organisms. Their non-human agency is mediated by spatial substructures we have developed while studying biological models of endosymbiosis.*







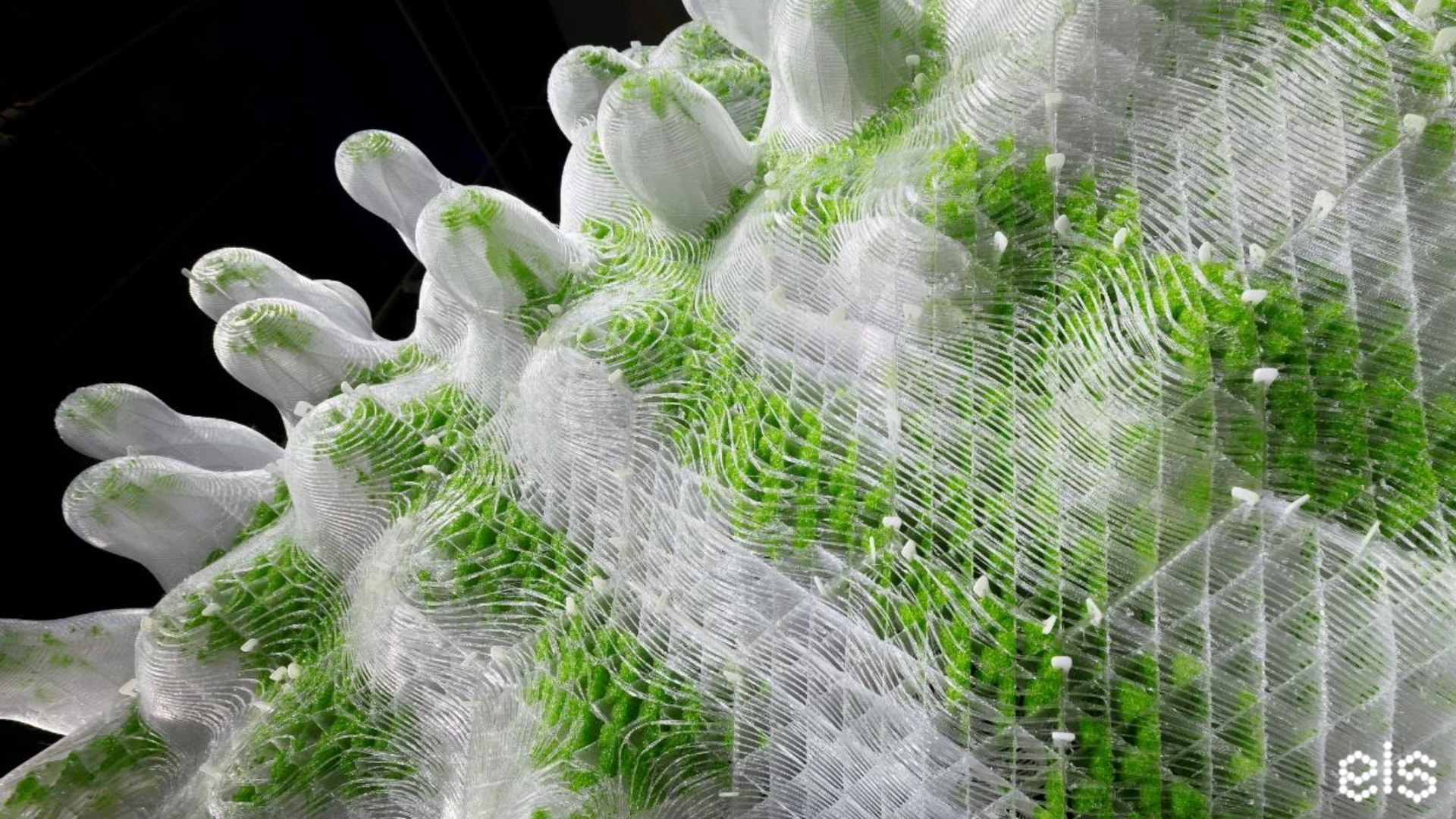


















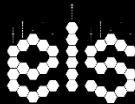


# Bio.Tech HUT

*BIO.tech HUT is composed of three fluidly interconnected environments that loosely embody the fundamental programs of a living space. The Lab is a space of science and rationality, where new species of micro-organisms are domesticated and engineered into artificial cultivation environments.*

*The Living Hut, a nucleus of artistic experience, is divided into two rooms: the Bio.light Room and a further room featuring H.O.R.T.U.S.*

*A more open environment encompasses the Garden Hut, a space for production of super-food and bioenergy.*





# BIO.tech HUT

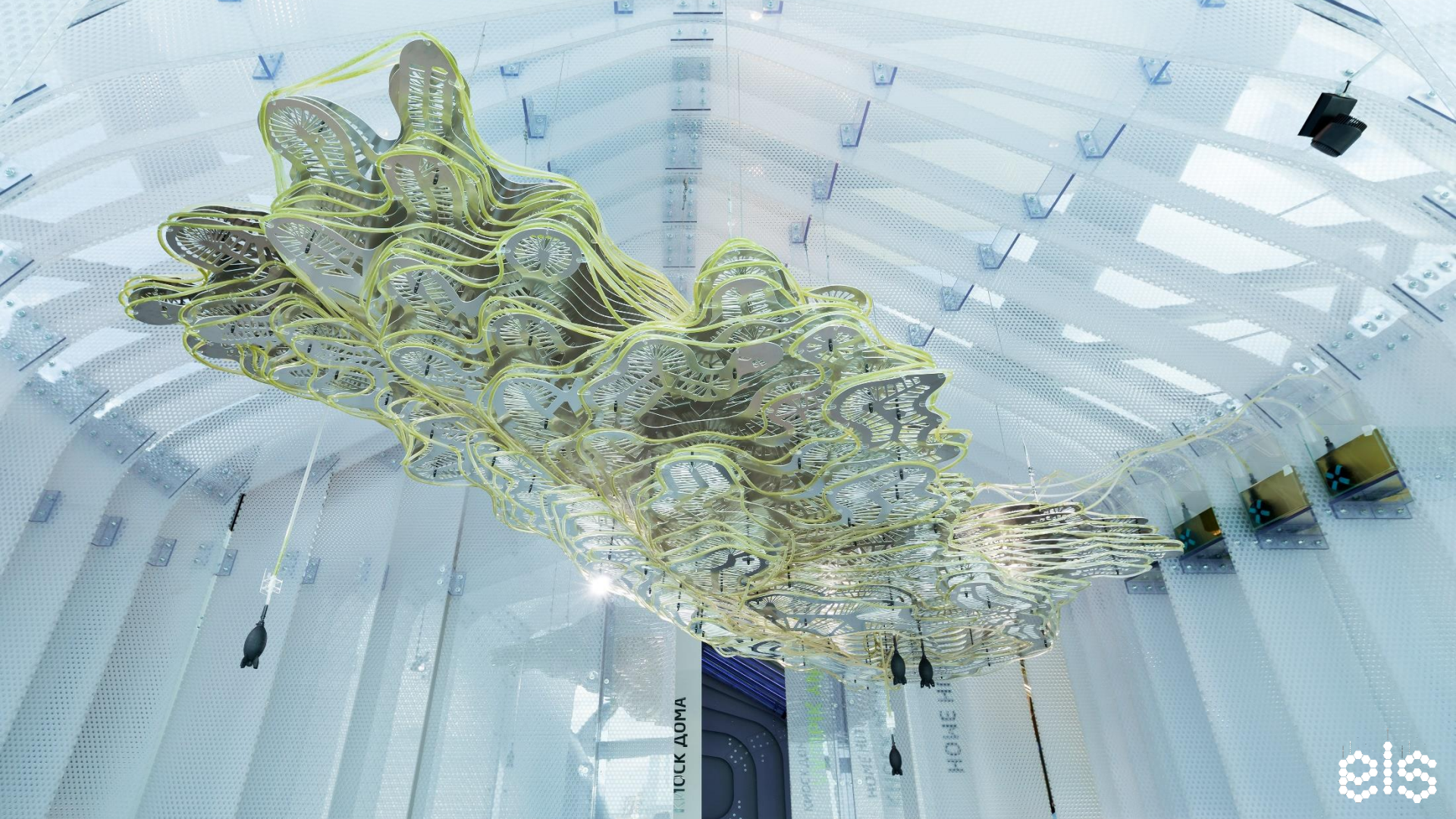




Тірі ғылым шоу  
Научное шоу в прямом эфире  
Live Science Show



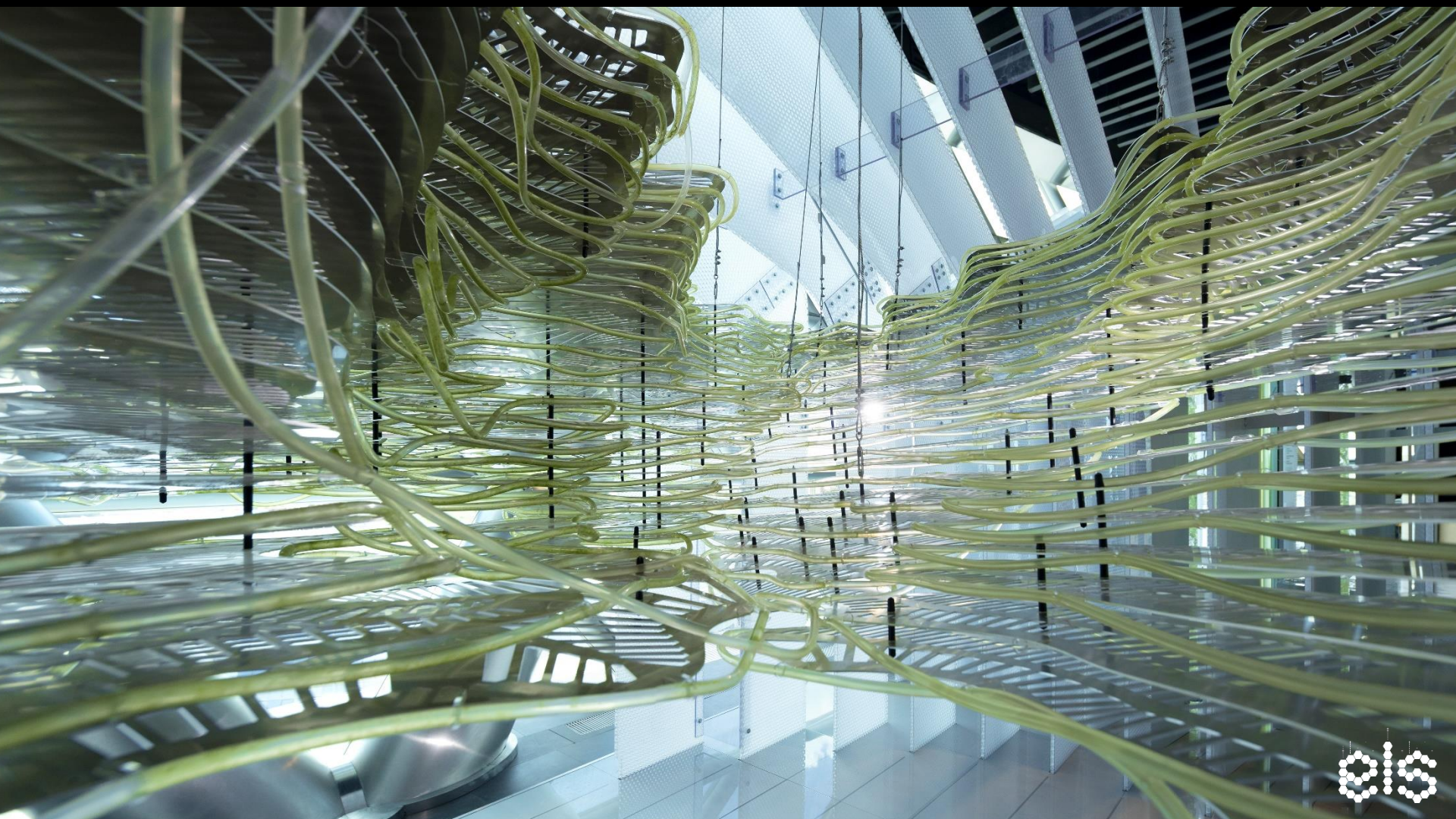


















GARDEN HUT

КИОСК САДА

БАҚША АЛШЫҒЫ













GARDEN HUT

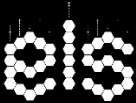
КИОСК САДА

ША-ГЕУБЫ



# SuperTree

*Trees, the most potent symbols of our old ideal of Nature, have now also evolved into carbon sinking machines, shading devices, flooding barriers, building material, marketing tools, serving the Urbansphere's increasingly demanding. operSuperTree is an architectural apparatus that repurposes the tree to optimize its infrastructural ations as part of the present and future Urbansphere. SuperTree transforms the archetype of the tree into a high-resolution, high-productivity photo-bioreactor, able to connect human metabolism to the proliferation of life within micro-algal ecologies.*





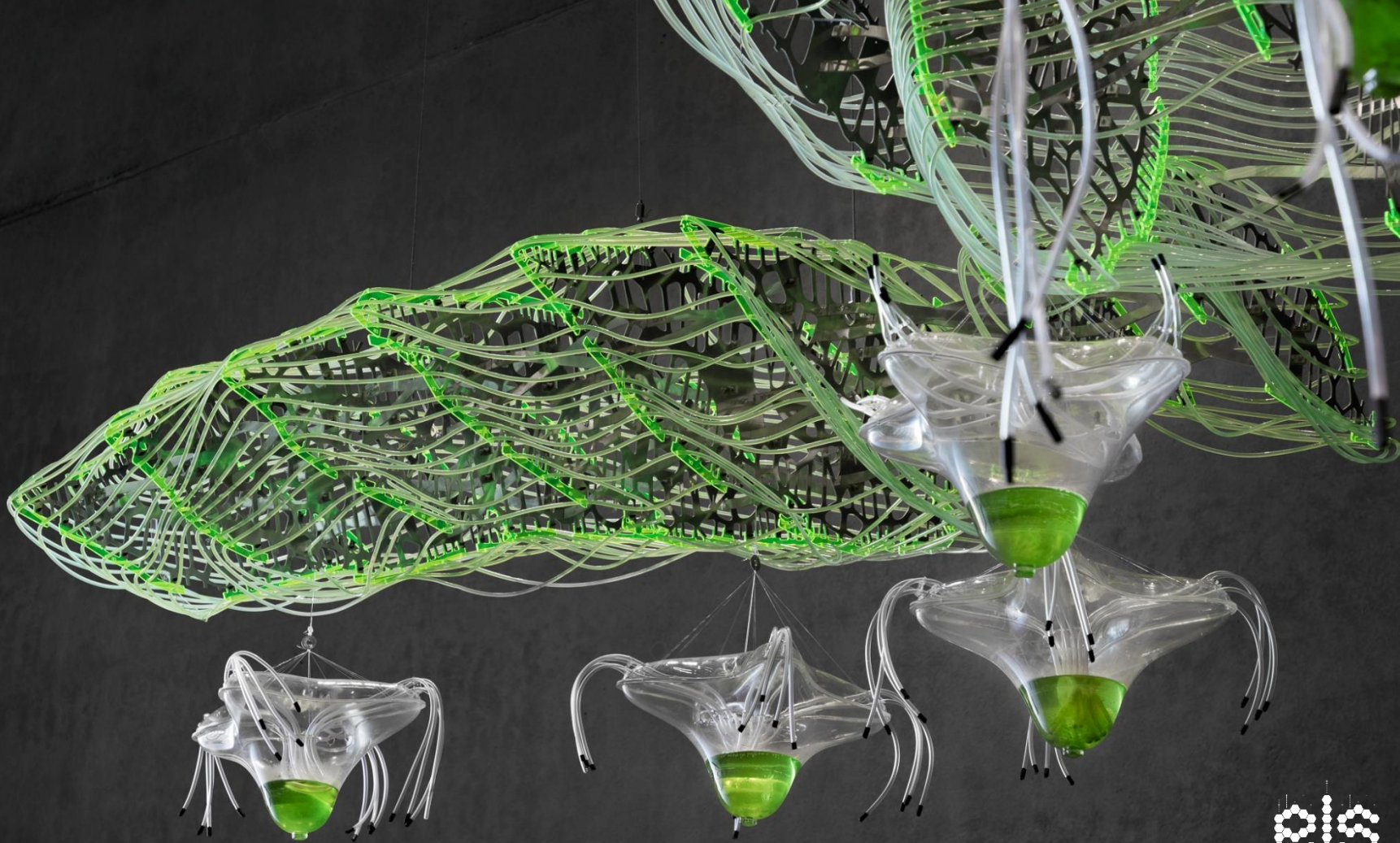


















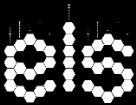






# MetaFolly

*"METAfolly " is a sonic environment which aims at establishing a playful dialogue with the user enabling the development of a form of meta-language based on material experience, patterns recognition as well as a real-time meta-conversation. It revisits the architectural "folly" type as a synthetic organism.*













© 2015-2016

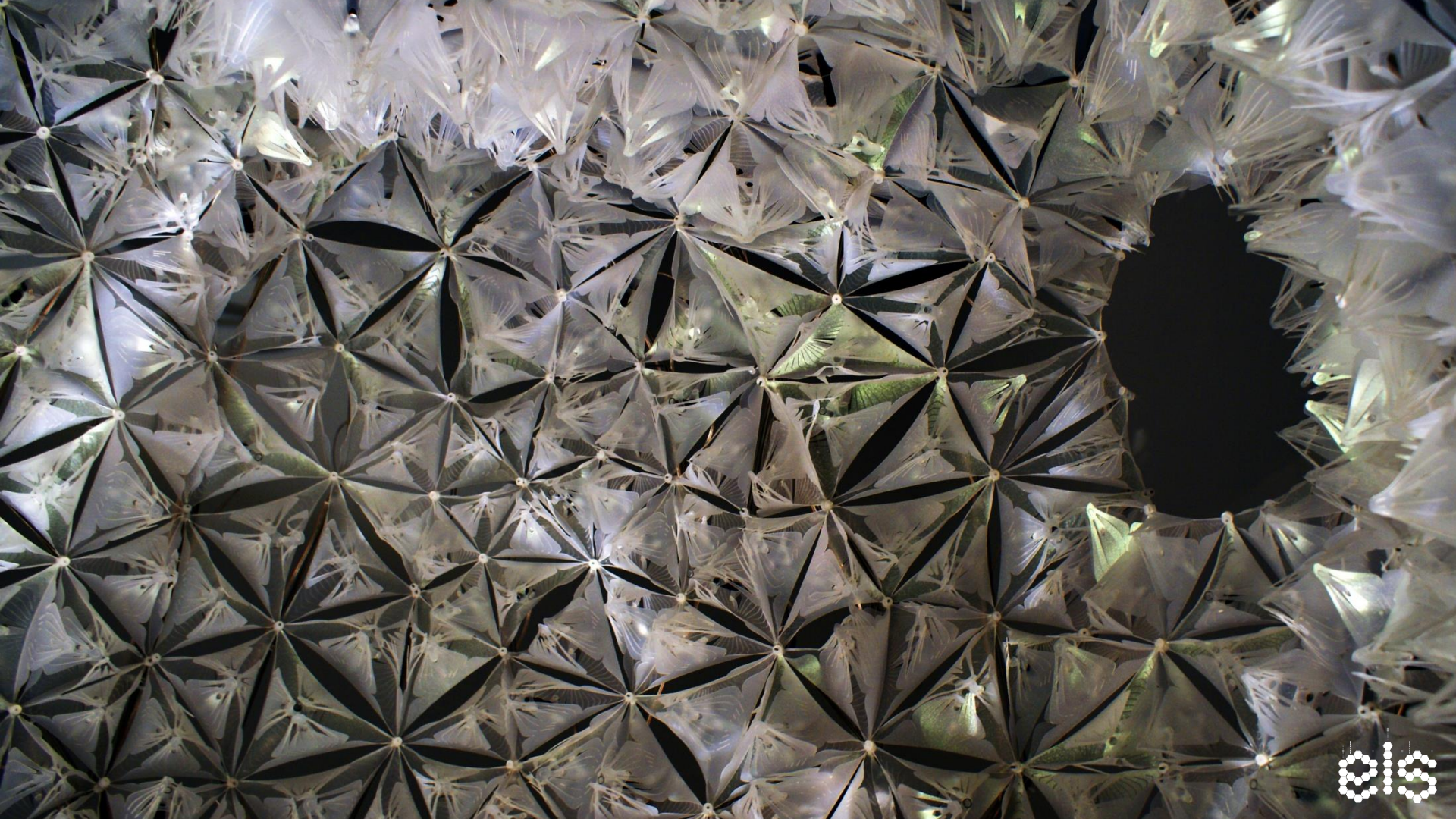


















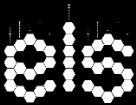






# Urban Algae Folly

*Microalgae organisms are enhanced by their cultivation within a custom designed soft ETFE cladding system. This represents a new interpretation of possibilities of the ETFE cladding. A special CNC welding technology is at the core of it and enables ecoLogicStudio to design and control the morphology of the cushions under stress as well as the fluid dynamic behaviour of the nutritious medium. The Urban Algae Folly produces 35g of Chlorella every day. In term of protein this is the equivalent of 750g of Meat per day. The Urban Algae Folly is also adsorbing 1.5Kg of CO<sub>2</sub> per day, produce 750g of Oxygen per day which is the Oxygen that one of us is breathing every day.*



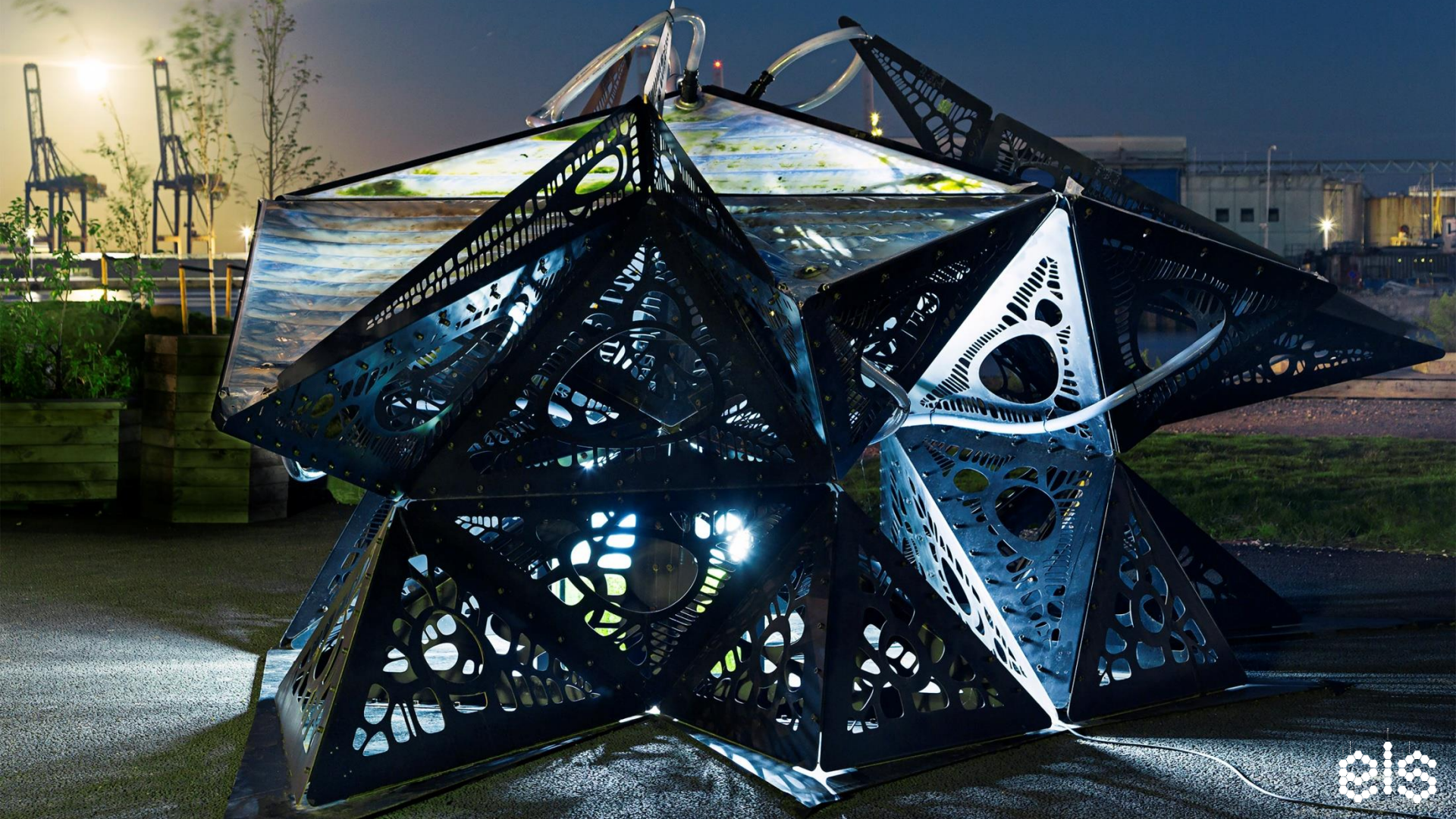
















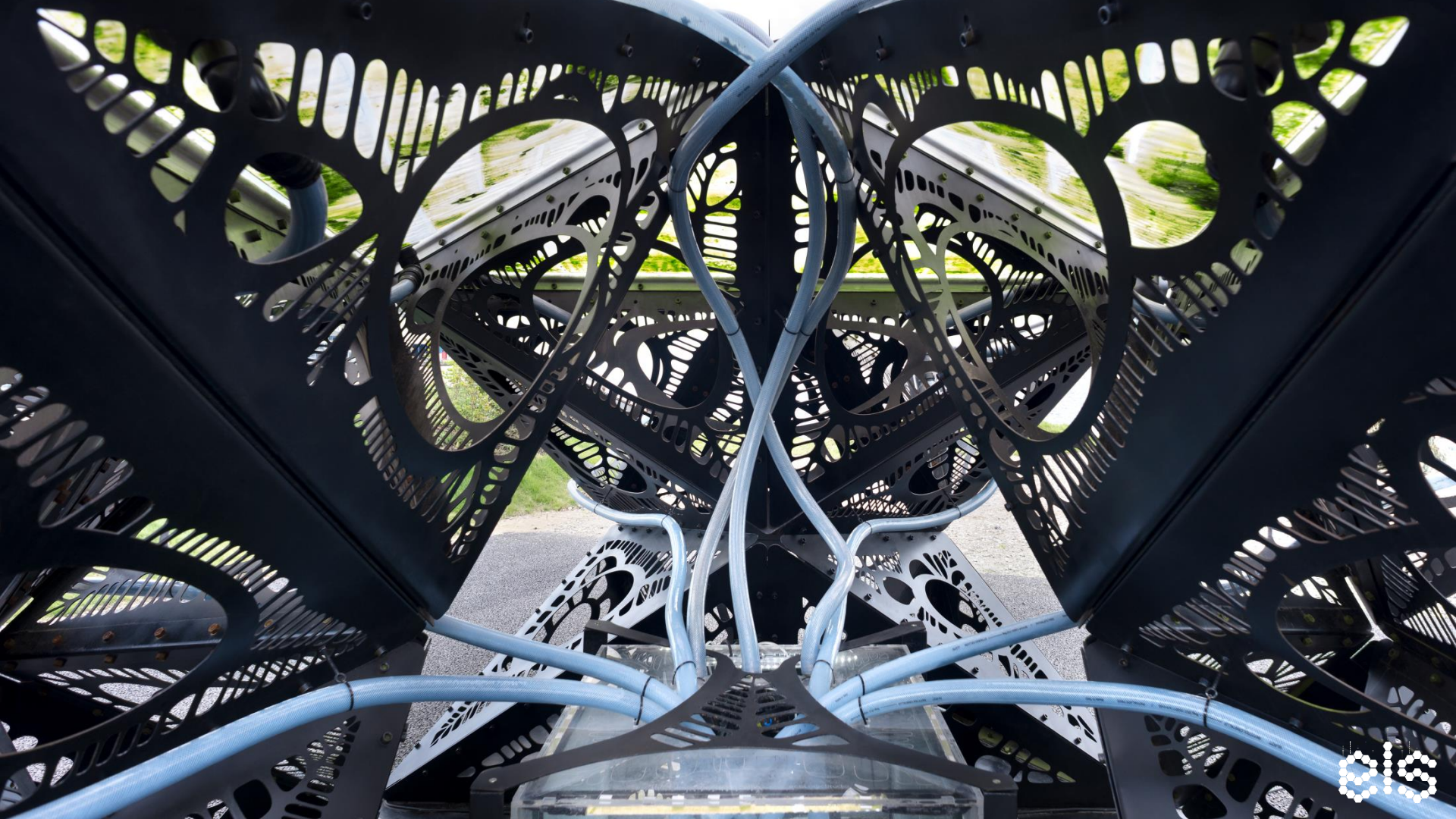








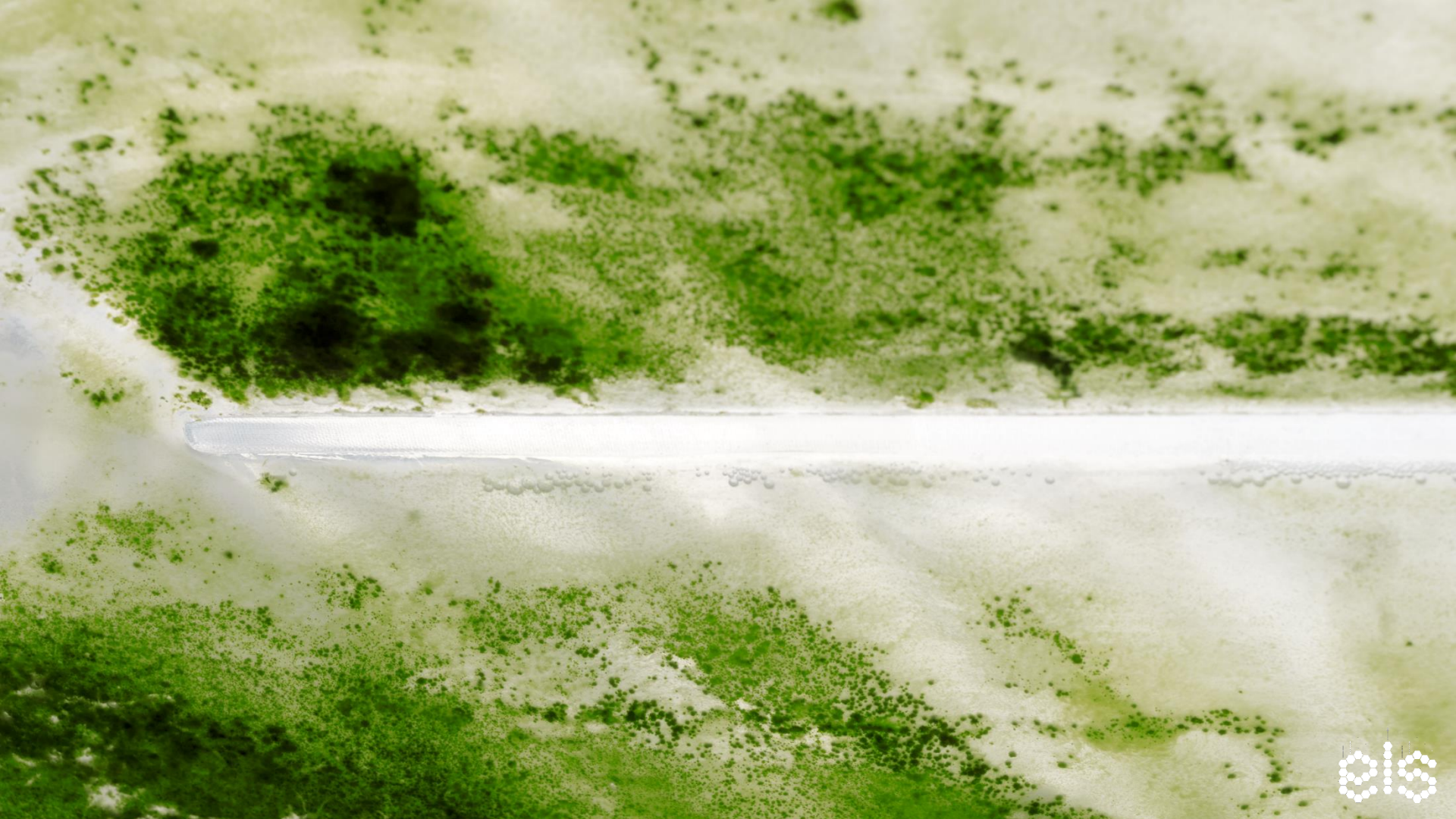








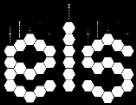




# Algae Canopy

*The innovative architecture of the Alge Folly originates from the evolution of the well known ETFE architectural skin system; in this instance it has the ability to provide the ideal habitat both to stimulate Spirulina's growth and to guarantee visitors' comfort. The Folly is sensitive to human presence and movement; there are 8 proximity sensors on the 4 columns directed to cover all the space in and around the folly; as people move we read their presence and speed.*

*These numbers are transmitted to a central brain that computes the status of the 9 solenoids or electrovalves controlling the algal flow when exits from the pumps before entering the bioreactors or ETFE cushions.*





## URBAN ALGAE FOLLY

Progettato da ecoLogicStudio l'UAF  
è un padiglione interattivo per la coltivazione  
urbana di microalghe, prototipo di un futuro  
bio-digitale per l'architettura. Scansiona  
il QR code per interagire in tempo reale:



Designed by ecoLogicStudio the UAF is an interactive  
pavilion made of microalgae organisms, a prototype  
of a future bio digital architecture. Scan the QR  
to interact in real time:



ALGAE FOLLY

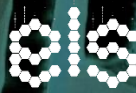
INTERACTIVE

09  
08

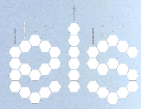








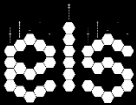






# Photo.Synth.Etica

*Photo.Synth.Etica, conceived by London-based architectural and urban design firm ecoLogicStudio in a partnered consortium with Urban Morphogenesis Lab – UCL and Synthetic Landscapes Lab – University of Innsbruck, has been presented in Dublin during the week of Climate Innovation Summit 2018. An “urban curtain”, it captures CO<sub>2</sub> from the atmosphere and stores it in real-time: approximately one kilo of CO<sub>2</sub> per day, equivalent to that of 20 large trees.*



Climate-KIC

HLÓLANN

# Photo.Synth.Etica

a bio-digital solution to global carbon sequestration  
by ecoLogicStudio.

AN CHLÓLANN

THE PR













ANCHL

**Photo.Synthetic**  
a bio-digital solution to global carbon sequestration  
by LogicStudio



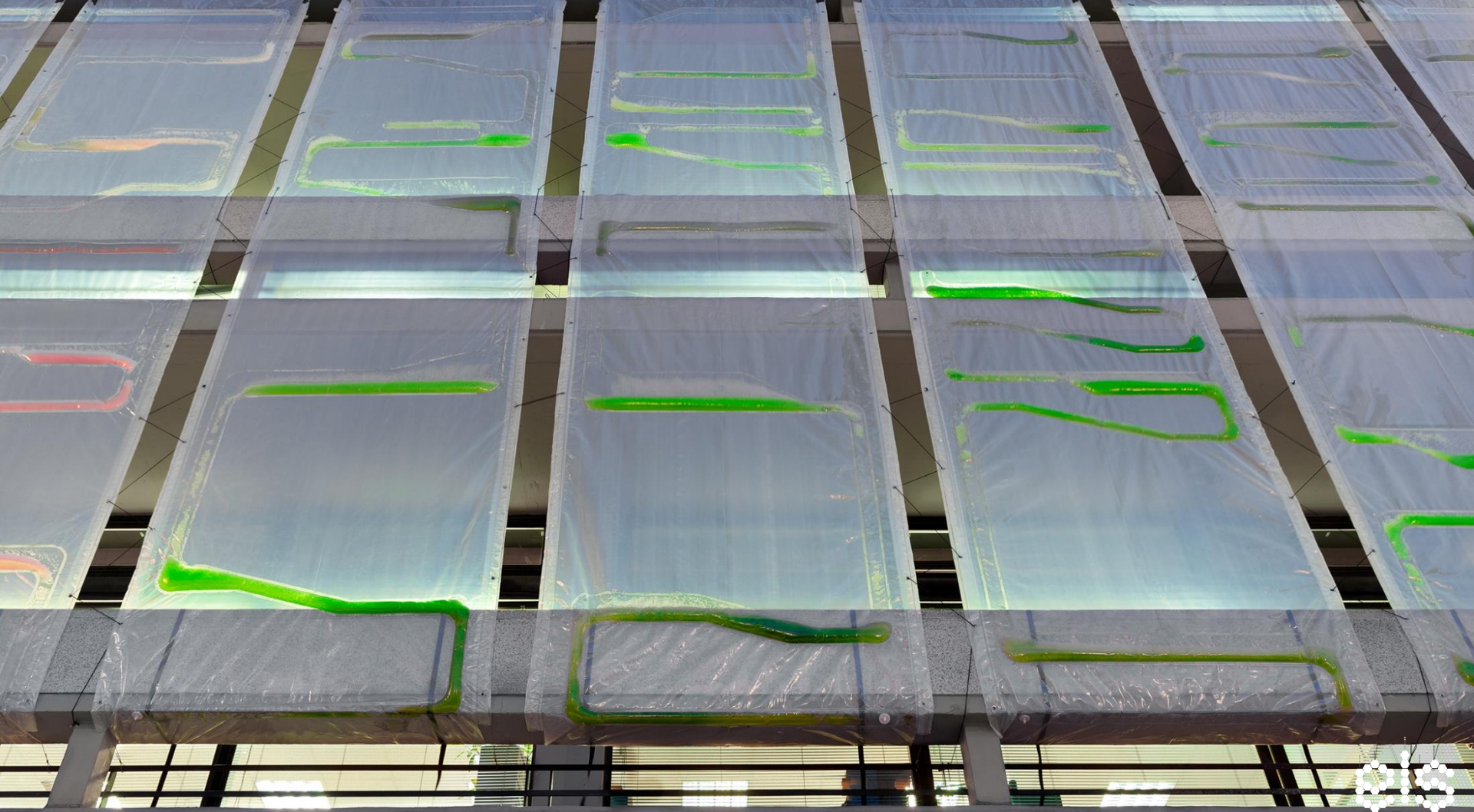






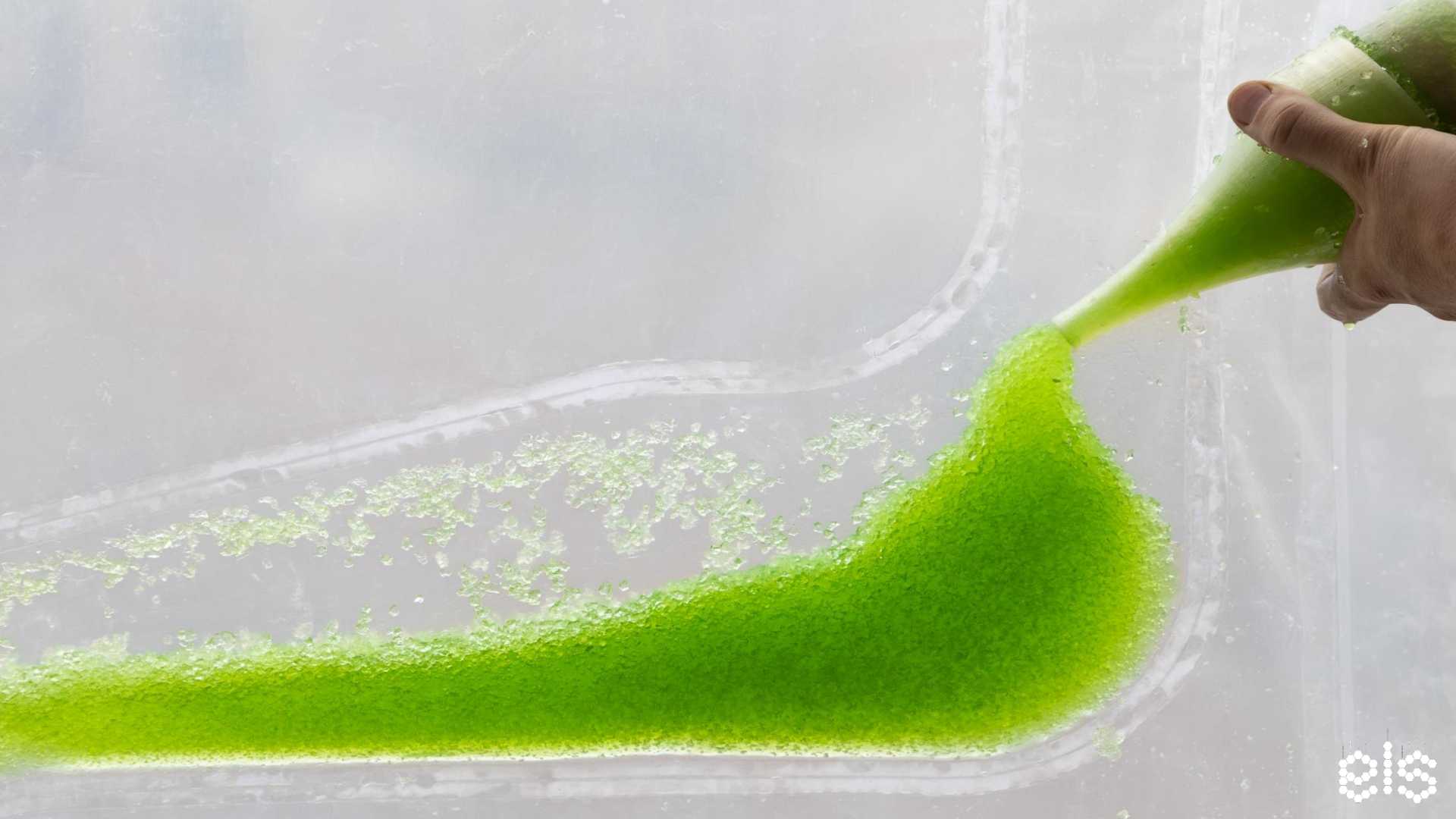










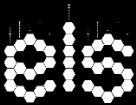






# H.O.R.T.U.S. AA

*H.O.R.T.U.S, designed for the AA Front Members Room, engages the notions of urban renewable energy and agriculture through a new gardening prototype; the proto-garden host micro and macro-algal organisms as well as bioluminescent bacteria; fitted with ambient light sensing technologies and a custom designed virtual interface, H.O.R.T.U.S stimulates the emergence of novel material practices and related spatial narratives.*







Hydroponics  
by Anna Røsgaard

If we  
It was  
the first  
Circu-  
The at-  
ity of the  
then, whose  
or a small  
space, in La

O.R.T.

Anna Røsgaard and Micaela  
for the  
Reconfigurable Case











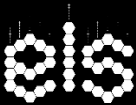
Contact Person

Claudia Pasquero

E: [claudia@ecologicstudio.com](mailto:claudia@ecologicstudio.com)

P: +447951529856

A: LG07 Ink Court, 419 Wick Lane, London, E3 2PW, UK



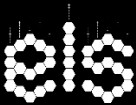


## Links

Main Company Website;  
[www.ecologicstudio.com](http://www.ecologicstudio.com)

Consortium Recent Work;  
[www.photosynthetica.co.uk](http://www.photosynthetica.co.uk)

Educational Programmes;  
[www.urbanmorphogenesislab.com](http://www.urbanmorphogenesislab.com)





als