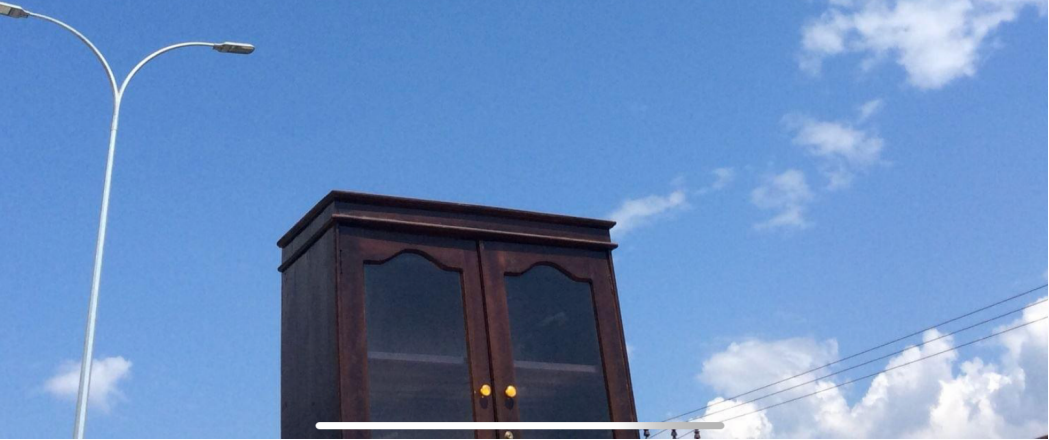


R.Gritto to Dassault Systèmes



3KM3

SMART CITY

R.Gritto

3KM3

SMART CITY

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Born and raised in Oporto, Portugal

. Study's: university of Coimbra, Architecture after being an aprendiz for 4 years in other architecture offices, after industrial design in the university of Caldas da Rainha - Portugal, after that experience a 3 years degree in Painting, after that, one year in the university of film and documentary and after that, a high degree in fine arts finishing with a project of "intelligent gardens", after that a master in philosophy in " Transhumanism & Tecnogainism " and since September 2021 doing a Phd in the university of Coimbra in the (III - The institute of interdisciplinary research part of the Centre of Social Study's - C.E.S. & Living in Paris since 2019.

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TERRITÓRIO, RISCO
E POLÍTICAS PÚBLICAS

UNIVERSIDADE DE COIMBRA
UNIVERSIDADE DE LISBOA
UNIVERSIDADE DE AVEIRO

**“Intelligence its the word to define the simplicity
and logic of Nature”**

PROLOGUE

The city is an organism like Charles-Édouard Jeanneret says 100 years ago. We have achieved a new millennium and with our new powers and capacity's, we have new big responsibility's with our nature, has humans.

The city appears 10.000 years ago, with a purpose that today is the "Mega metropoles", but even that mega metropole found is political order the "Conurbação" like Paris in 1795 in "Arrondissements".

So lets say that the project of "3Km3" its the construction of one (***integrative modular auto generative arrondissement***) , but from the zero perspective and in a intelligence and genteel way never saw before.

THE REFUGEES

Haut Commissaire des Nations Unies pour les réfugiés António Guterres, (PT).

Solidarity.

According to the UN chief, most of the forced displaced came from just a few countries, such as Syria, Afghanistan, South Sudan, Myanmar and Somalia. In the last 18 months, millions more have fled from Venezuela. On this World Day, Guterres said he wanted to "recognise the humanity of countries that shelter refugees, even as they face their own economic challenges and security concerns." He believes that the international community must "combine its hospitality with development and investment."

The Secretary-General considered it "regrettable" that the example of these countries is not followed by all. He believes it is necessary to "restore the integrity of the international protection regime."

So this project " **3KM3** " has its logic based on, the hospitality of 1 million global inhabitants and in the support of the UN Habitat policy's, aiming to solve, base on the management

of the project that involves **the creation of a Commune administrative system with 3Km2** but thought, also in the base, meaning the use of the 3Km2 that are Underground, manage and plan in advance.

What we need is an underground that can be use to connect to the big network like Paris subway, train and aeroplane, but with total autonomy in water, energy and food production.



The **essay** its to creat a “**3km3 new village**”, and: How this management of investment takes place ? How people are going to be recruited and stay to sleep and eat in this work place for 24 hours, 7/7, 365 days - Work field ? Because most of them are refugee's with no place to go back.

How the construction companies and architects and engineers are going to work together with one propose ? How the finish zones are going to open to the new habitants ? How this habitants are going to fulfil there positions in the schools and in the local enterprises ? And, participate in the active political environment. How the traffic is going to be design to give you autonomy, ecological sustainable forms for the future 100 years celebration of this village ? How is going to be displace all the nature plants, lakes, parks and how to manage this food production system with out damaging the economic chains ?

This, are some of the questions, we need to give and to be able to visualise to show that is possible and how is it possible to creat something like this in the suburbs of Paris, today in the desert of Sarah tomorrow, or in United States, Brasil, China. 600 years ago was all about boats, now its all about **“New Real Smart City’s”** and give integration to:

1 million refugees in an transition village, as well has the capacity to work and educate and learn the language, for this people in this new European French culture, that will give to France or to other European country’s the capacity to receive, integrate and have this people has an increase participative economy for the country.





Corbusier, Índia 1950.

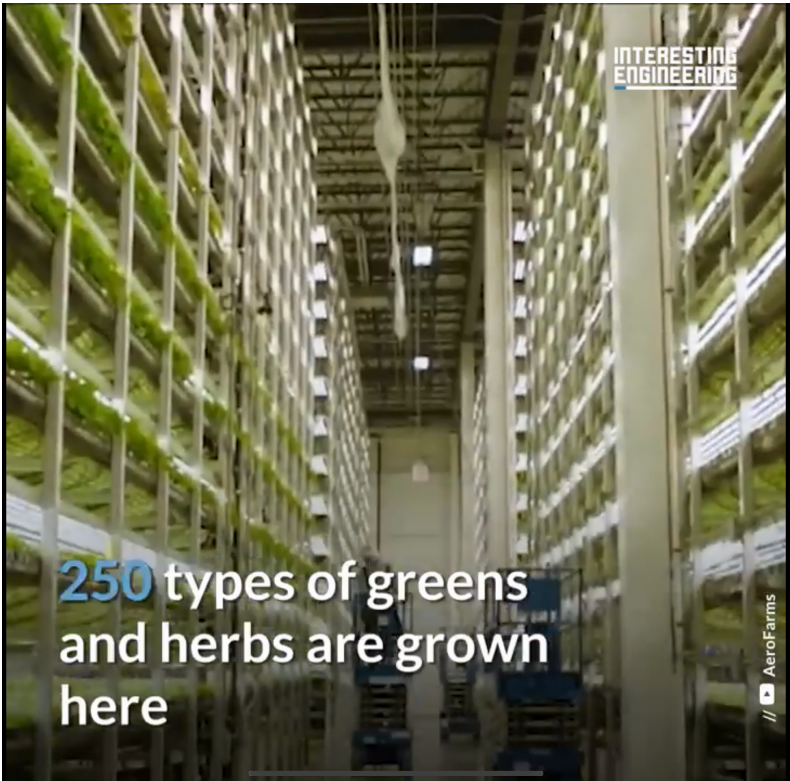




Athenas, Greece, Feb - 2021

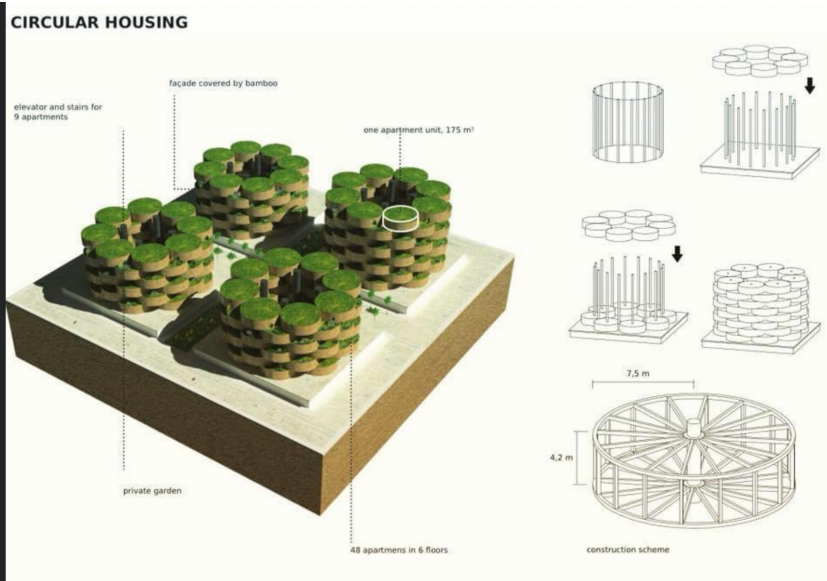


Climate change adaptation

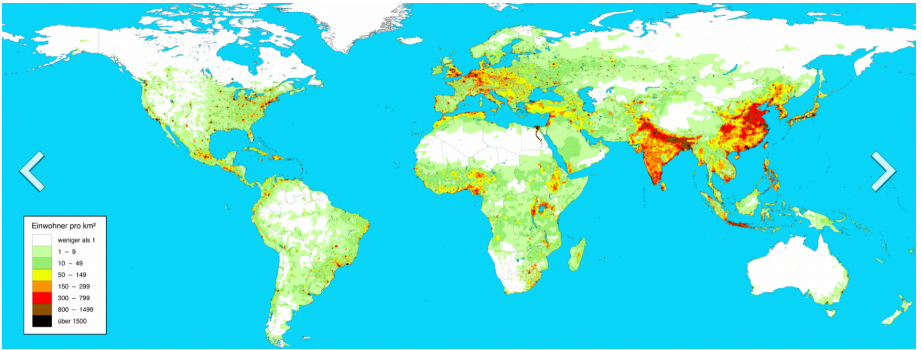




High tech combination with low tech.



Ricardo design for social habitation in Timor Leste 2018



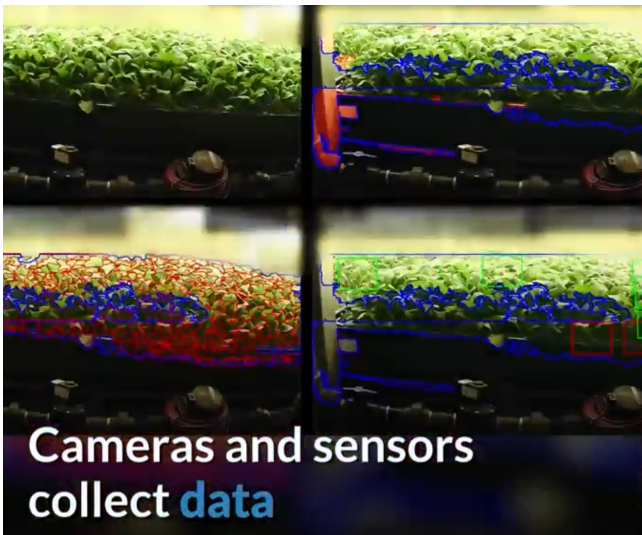
World population distribution, 2021



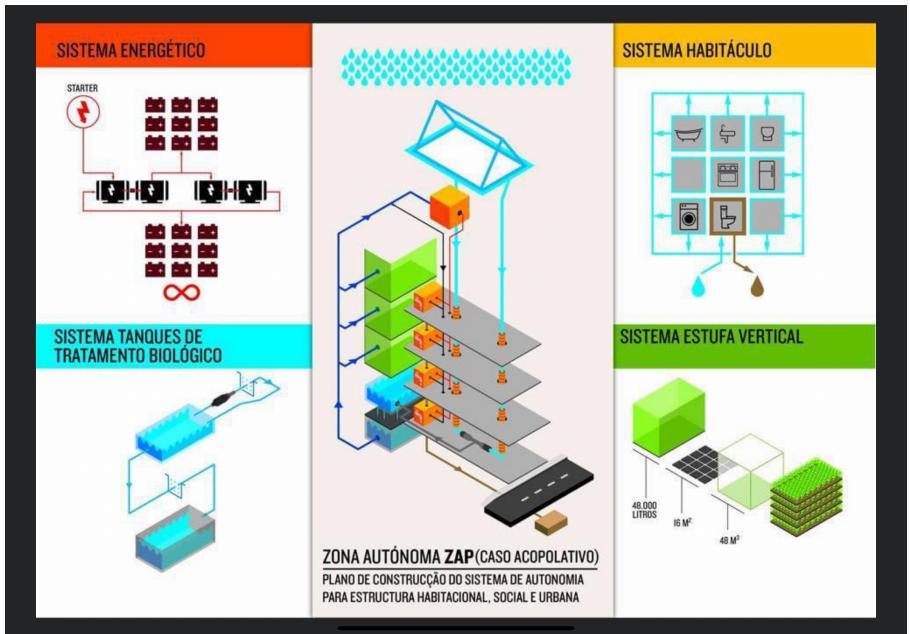
Water consumption 2021



Central Park, Manhattan, 3.41 km² project.



Vertical urban agriculture 2021



Ricardo design for short integrative sustainable systems in Oporto pre-existing buildings (fatiados) - name of the Oporto typology

STORY

UN-Habitat opens registration for the Eleventh Session of the World Urban Forum in Poland

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About the Author



Artist Plastician, inventor, Ricardo is interested in working in a serious compromise with in the world, with a company that can provide him with a CDI, that will lead him to stay living in Paris, with is wife and his 3 kids. Also, i would like to develop a “Mediated Matter - Lab” in your company focuses on Nature-inspired design and design-inspired Nature. I would like to conduct a research at the intersection of computational design, digital fabrication, materials science, and synthetic biology, to apply my personal knowledge to design across scales—from the micro scale to the building scale. If we create biologically inspired and engineered design fabrication tools and technologies and structures aiming to enhance the relation

between natural and man-made environments. Our research area, that we can entitle Material Ecology, will integrate computational form-finding strategies with biologically inspired fabrication. This design approach enables the mediation between objects and environment; between humans and objects; and between humans and environment. The goal of this “Lab” is to enhance the relation between natural and man-made environments by achieving high degrees of design customization and versatility, environmental performance integration, and material efficiency. I seek to establish new forms of design and novel processes of material practice at the intersection of computer science, material engineering, and design and ecology, with broad applications across multiple scales.

Ricardo Gritto, Paris 2021