

A nighttime photograph of the Shanghai skyline, featuring the Oriental Pearl Tower and the Shanghai Tower. The text 'GreGRC2' is overlaid in the upper left corner.

# GreGRC2

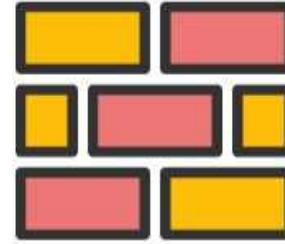
**PRELIMINARY PROJECT PRESENTATION  
FOR THE VERY LIGHT MATERIAL WE  
HAVE DEVELOPED TO BE USED IN  
BUILDING CARRIER ELEMENTS AND  
DECKS BETWEEN FLOORS.**

# BRIEF DESCRIPTION OF THE GREGRC2 PROJECT

**The project is complementary to our GreGRC project.  
The aim of the project can be summarized as to be able to produce much lighter buildings and structures by using our much lighter and flexible material and much lighter, solid carbon fiber, rod, or similar materials instead of concrete in building and building carrier systems.**



Bearing elements constitute the main weight in buildings and buildings. In today's conditions, these systems have three components.



1 - Cement + concrete containing various aggregates



2 - Iron with different qualities that prevent the concrete from breaking and dispersing

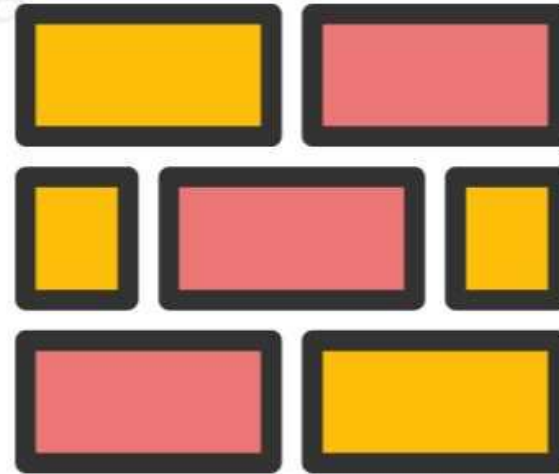


3 - Chemical additives added to give concrete the desired properties



Specific weight of concrete = average

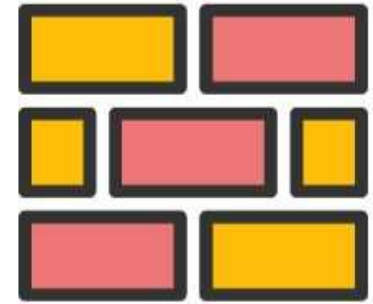
2400 kg / M<sup>3</sup>



According to today's construction standards, the amount of iron foreseen for 1 m<sup>3</sup> concrete = 100 - 120 kg.

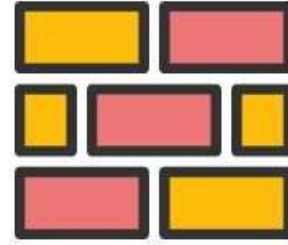
Total: Average weight 2500kg / M<sup>3</sup>

Specific weight of the form of our material to be used instead of concrete: 400 - 600kg / m<sup>3</sup>  
(optimum range will be determined as a result of the project)



Specific weight of composite material to be used (average): 1800kg / M<sup>3</sup>  
Amount anticipated to be used (for 1M<sup>3</sup>) = Max 15 kg  
Total: Average 415 - 610 kg / M<sup>3</sup>

## Advantages of the project



1 - With the GreGRC project, 5 to 6 times lighter, high-rise buildings and buildings in total



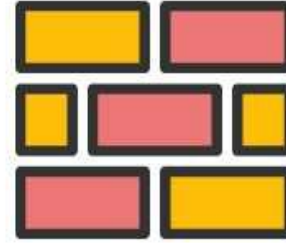
2 - Buildings that do not require insulation, do not have thermal bridges, can be heated and cooled with very low energy



3 - Production of much larger modular parts



## Advantages of the project



4 - Huge economy in total in building construction technology



5 - Flexible structures resistant to severe earthquakes



6 - Accessible, healthy and comfortable buildings for the low income group ...



## As a result;

**When our GreGRC and GreGRC2 projects are implemented together, it will radically change all calculation methods and parameters related to construction techniques.**

**"Warm in winter" and "cool in summer" buildings with very low energy that humanity has been trying to solve for thousands of years and could not solve will cease to be a dream.**

**Today, 95% of buildings on a global scale are uninsulated and 1/3 of the energy produced is used for heating and cooling.**

**Energy production alone is responsible for 40% of carbon emissions.**







This project is necessary for our world. It is very difficult for us to sustain such a big project alone. To complete the scientific aspect, we need official and semi-official institutions, media support for promotion, and financial resources to finance our work.

We are looking for Universities and Research Institutes, Non-Governmental Organizations, Environment and research foundations, funds and companies with strong infrastructure to carry the project to the market.

For more information, you can visit our website [www.greenginnovation.com](http://www.greenginnovation.com) Or you can contact us at [blntgrkn@gmail.com](mailto:blntgrkn@gmail.com)

