

Make cities and hulan settelments inclusive, safe, resilient and sustainable

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The Tunis El Manar University: A city that wants to be sustainable in a city that we want to be sustainable.

















Approach

Optimization of the City in terms of Flows, Networks, Materials and Infrastructures for a sustainability objective. Our approach is an integrated approach called "Urbistics" which considers the city as a system that must be treated in a holistic way: do not improve one side to damage another.

Urbistics

And of course Hi = gi (Materials)

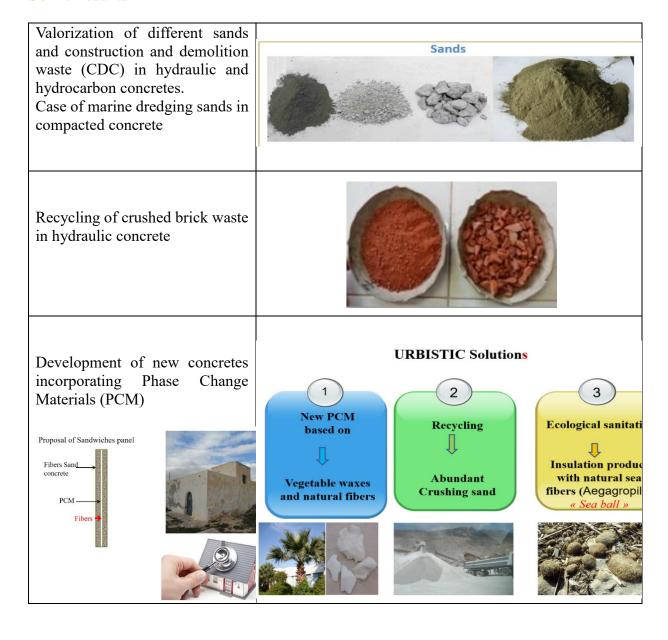
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\begin{cases} H_1 = g_1 \text{ (Energy)} \\ H_2 = g_2 \text{ (Traffic)} \\ H_3 = g_3 \text{ (Land)} \\ H_4 = g_4 \text{ (Pollution)} \\ \vdots \\ H_n = g_n \text{ (Durability)} \end{cases}
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Our work is to Find the optimal vector H of Rn to reach sustainability.

Activities and objectives

We work to develop and optimize innovative products in the field of construction with a perspective of sustainability and a circular economy strategy. The added value is manifested in the high biodegradability, the natural origin, the valorization of alternative resources, the biofunctionality, the energy saving or the technological added value.

Some results



Recycling of asphalt spoil (RAP) in new concrete and innovative asphalt mixes



