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Architecture for environmental sustainability:
The "Green Frame House" project by AstoriDePontiAssociati

In 2010, Abitare Il Tempo – one of the most exclusive interiors fair in Italy – has celebrated its 25 years anniversary with a rich agenda of exhibitions and events. Part of these activities, the exhibition "Architetture d'Interni" has presented the "Green Frame House" project developed by AstoriDePontiAssociati architectural practice. The project was based on the reutilization of disused marine/sea containers and on their transformation into modern and technological houses thanks to the contribution of the company ArtContainer. Comfort and energy efficiency provided by these housing units were majorly supported by the fundamental contribution of DuPont™ Tyvek® HomeWrap® and DuPont™ Tyvek® Enercor® Wall, both membranes for sustainable building and constructions, and DuPont™ Energain® thermal mass panels, all materials by DuPont Building Innovations.

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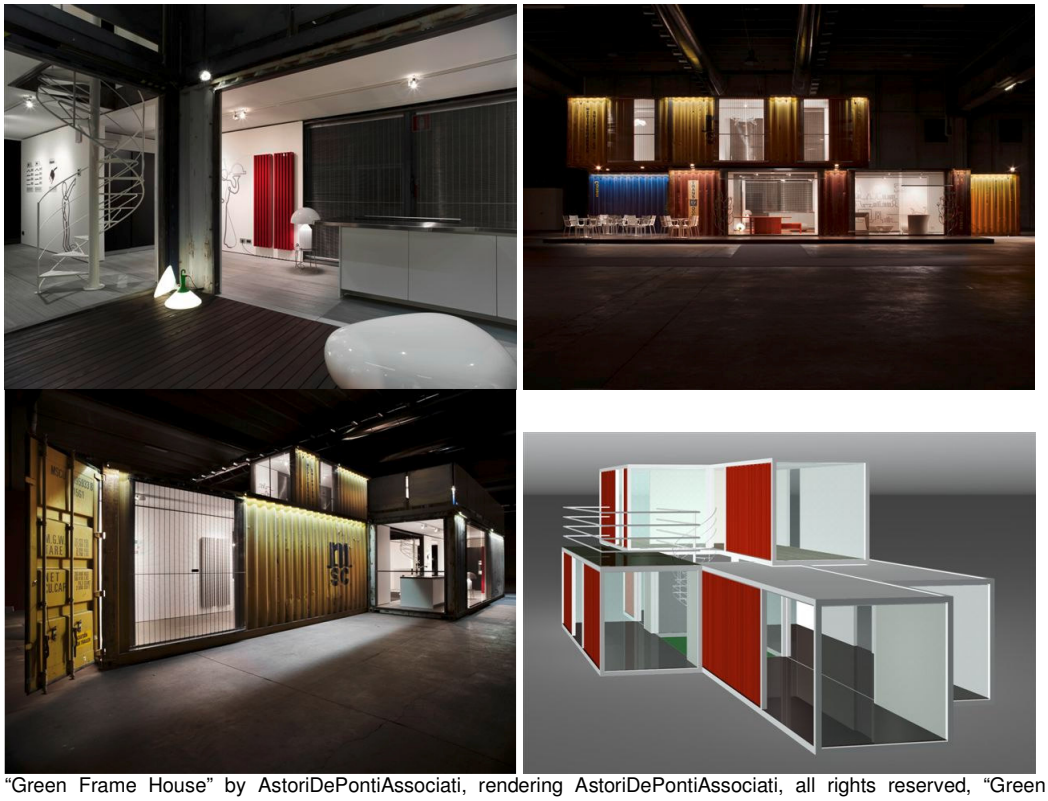
Architects Antonia Astori and Nicola De Ponti in collaboration with ArtContainer developed "Green Frame House", a concept of sustainable architecture based on the assembling of six containers that together create a house with two floors. Easy to move and fast to assemble, the containers incorporated inside their roofing and external walls the construction membranes DuPont™ Tyvek® HomeWrap® and DuPont™ Tyvek® Enercor® Wall, improving the interiors' environmental comfort and optimizing the energy efficiency. Moreover, DuPont™ Energain® thermal mass panels have been applied to reduce the consumption of energy for heating or air conditioning.



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