

This year the team is using common shipping containers to highlight the flexibility in design of the trendy, if not difficult, steel box. The design consists of three pairs placed at 120 degree...

Three shipping containers were used by Missouri University of Science and Technology students for construction net-zero prefab shipping container homes that have reasonable prices and they are safe. ... During ...

6 recycled shipping containers in the shape of a 'Y' were used by Tongji University for their 2011 Solar Decathlon home. This year, the new Solar Decathlon category of Affordability was added to the competition.

The house is constructed from recycled shipping containers arranged together at 120-degree angles to form an equilateral Y shape. The fact that the main components of the ...

The focal design elements of STILE include recycled shipping containers and an arch that supports an array of solar panels and represents Italian and West Virginian architectural concepts. STILE employs a fully integrated automation system that teaches residents to efficiently use energy--enabling the house to truly serve as a learning ...

In honor of the U.S. Department of Energy Solar Decathlon--which challenges 20 collegiate teams to design, build, and operate solar-powered houses that are cost-effective, ...

From Brazil, shipping by air required less paperwork and had similar costs but was much quicker than ship. Unfortunately, Team Brazil withdrew from Solar Decathlon Europe, so this transportation method remains possible but untried. Seven Brazilian students and two faculty advisors came anyway to help the Solar Decathlon Europe organizers.

Solar Decathlon 2011 Y Container. Team China's U.S. Department of Energy Solar Decathlon 2011 entry, Y Container, combines six recycled shipping containers into a succinct, Y-shaped ...

Team China's Solar Decathlon 2011 entry, Y Container, pushes hard on the notion that shipping containers can be as comfortable to live in as they are easy to transport from mainland China to Washington, D.C.A ...

Team China's U.S. Department of Energy Solar Decathlon 2011 entry, Y Container, combines six recycled shipping containers into a succinct, Y-shaped solar house. Y ...

Structure: Shipping Containers & Timber o Foundation: Multi -Point Space Frame Supervisors oDr.

Athienitis, Net-Zero, PV Systems o Sarmad Al Mashta, Architect oDr. Zaheeruddin, Control Systems o William Semple, Architect & Northern Housing Expert Solar Decathlon Design Challenge 2023 Concordia University New Housing | 2023-04-03

Team China's model home for the Solar Decathlon boldly combining recycling and solar energy. The cargotecture Y Container, submitted by Shanghai's Tongji University ...

Vol. 3, No.1, 17-29, 2015 Research Article Cilt 3, Say? 1, 17-29, 2015 Ara?t?rma Makalesi ?leti?im Yazar?(Correspondence): Esra Lakot Alemda?. e-posta (e-mail): ela@ktu .tr ISSN : 2147-6683 ©2015 Hasan Kalyoncu Üniversitesi Güzeli Sanatlar ve Mimarl?k Fakültesi A study of Shipping Containers as a Living Space in

Solar Decathlon 2011: Tongji University, Y Container. ... The house is constructed from recycled shipping containers arranged together at 120-degree angles to form an equilateral Y shape. The fact that the main components of the house are prefabricated cuts costs significantly, and helps to reduce waste by reusing material. ...

STILE is a solar-powered prefab that combines combines Appalachian and Roman design elements for the Solar Decathlon. ... is made from deconstructed steel shipping containers located on jacks ...

The Nest Home was designed to accommodate a growing family. It offers both private and common spaces that can be easily expanded by adding more containersto the existing ones.

The 2020-21 Finalists presented their state-of-the-art net-zero and climate-resilient designs and impressed the Division Jury panels at the Design Challenge Finals.. The teams presented their whole building solutions along with innovations such as rice-husk ash insulation, fibre-optic daylighting lamps, kinetic façades, rain-catcher canopies, cooling-as-a-service, use ...

Using recycled metallic shipping containers, the team from Tongji University is creating a uniquely shaped three-pronged house called the Y-Box. Tongji University's latest Jan 2011 model. Photo credit: U.S. Dept. of Energy ...

Because of the use of standard shipping containers, the Y Container will be easy to transport, assemble, and expand--giving residents the freedom to build anywhere and in any configuration. (The Y shape is just a ...

Such was their interest that they eventually decided to use a shipping container as an integral part of their Solar Decathlon house, named "Green Machine/Blue Space." "Green Machine/Blue Space" describes the two main house structures, which are joined by an enclosed sunspace. The Green Machine structure (the shipping container) contains most of ...

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