ENGINEERING TOMORROW

June/July 2016

Danfoss partners with URBAN RIGGER™ to bring sustainable student accommodation to European harbors.

URBAN RIGGER™ is a powerful example of how we can push for innovative answers to our urban challenges. It proves that we can do more with less to the benefit of our community; an ambition shared by Danfoss.

Engineering solutions enabling innovative architecture

Whether it is about new ways to use space, bolder shapes or harmonizing with new environments, architecture has constantly pushed the boundaries of ambition; and engineering has made it possible. While the URBAN RIGGER™ concept impresses with its clever solution to utilize up-cycled containers to create floating student residences, the ambition to create a hyper-efficient community is putting engineering technologies to the test. To help meet these ambitions, Danfoss technologies are playing a key role in generating heating and cooling, while ensuring internal climate comfort and keeping energy use to a minimum.

Combined technologies creating smart energy systems

By storing energy when abundant and releasing it when needed, today's technologies make our buildings smarter. Danfoss' A+++ energy labeled Heat Pumps not only enable efficient heating, they also help produce hot water and passive cooling. Combined with the hydronic floor heating installation and heat recovery ventilation, the solution ensures an optimal flow, reducing excess temperature and creating an ideal indoor climate. This system contributes to Urban Rigger's objective of minimizing its CO2 footprint. By connecting our technologies, we can provide a wide range of innovative solutions for designing buildings that can increase the efficiency and reliability of our energy systems and support the uptake of renewable energy sources.

A project with unlimited potential

URBAN RIGGER™ showcases how Danfoss technologies can be utilized to ensure efficiency and comfort when designing new housing and architectural solutions. As the technologies used in the Urban Rigger can be adapted to almost any type of domestic and commercial building, we are hopeful that this project will become an inspiration to architects, consultants and public authorities who are looking for new opportunities to make our cities of tomorrow smarter.

For more information on URBAN RIGGER please visit www.urbanrigger.com

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