

PRESENTING

# URBAN RUGGER

STUDENT HOUSING

THE PRODUCT

# THE FUTURE IS FLOATING

URBAN RIGGER is a revolutionary and innovative floating multiple dwelling system enabling centrally located affordable student housing. An URBAN RIGGER is designed for all river, harbour and canal intensive urban cities.



# BACKGROUND

# BIG

Udvikling Danmark A/S and world leading architect & founder of BIG Architects, Bjarke Ingels, has designed and developed the URBAN RIGGER. An autonomous, floating, patented, mobile, sustainable and affordable Student Housing community unit



DESIGN

# THE URBAN RIGGER



By stacking shipping containers in a opposite triangles, BIG Architect has managed to create 12 studio apartments which frame a centralized garden used as a common meeting place for the residents.

Containers on top of the hull are placed in two tiers arranged in opposite triangles. The lower tier consists of 3 containers with a total of 3 accommodations. The upper tier consists of 6 containers with a total of 9 accommodations giving a total of some 300 m<sup>2</sup> living space on one URBAN RIGGER.

The 12 apartments are between 23-28m<sup>2</sup> [260-300 sq.f] and is equipped with kitchen and bathroom including shower and toilet. Each URBAN RIGGER unit has a 160 m<sup>2</sup> common green courtyard with bicycle parking, bathing platform, kayak landing and barbecue area, as well as a 60 m<sup>2</sup> rooftop terrace and a 220 m<sup>2</sup> basement with storage, technical and fully automatic shared laundry.



# THE FACTS

# DIMENSIONS

## MAIN DIMENSIONS FOR THE URBAN RIGGER

L: 21,25 m - B: 24,55 m

Height above the waterline  
Draught below the waterline

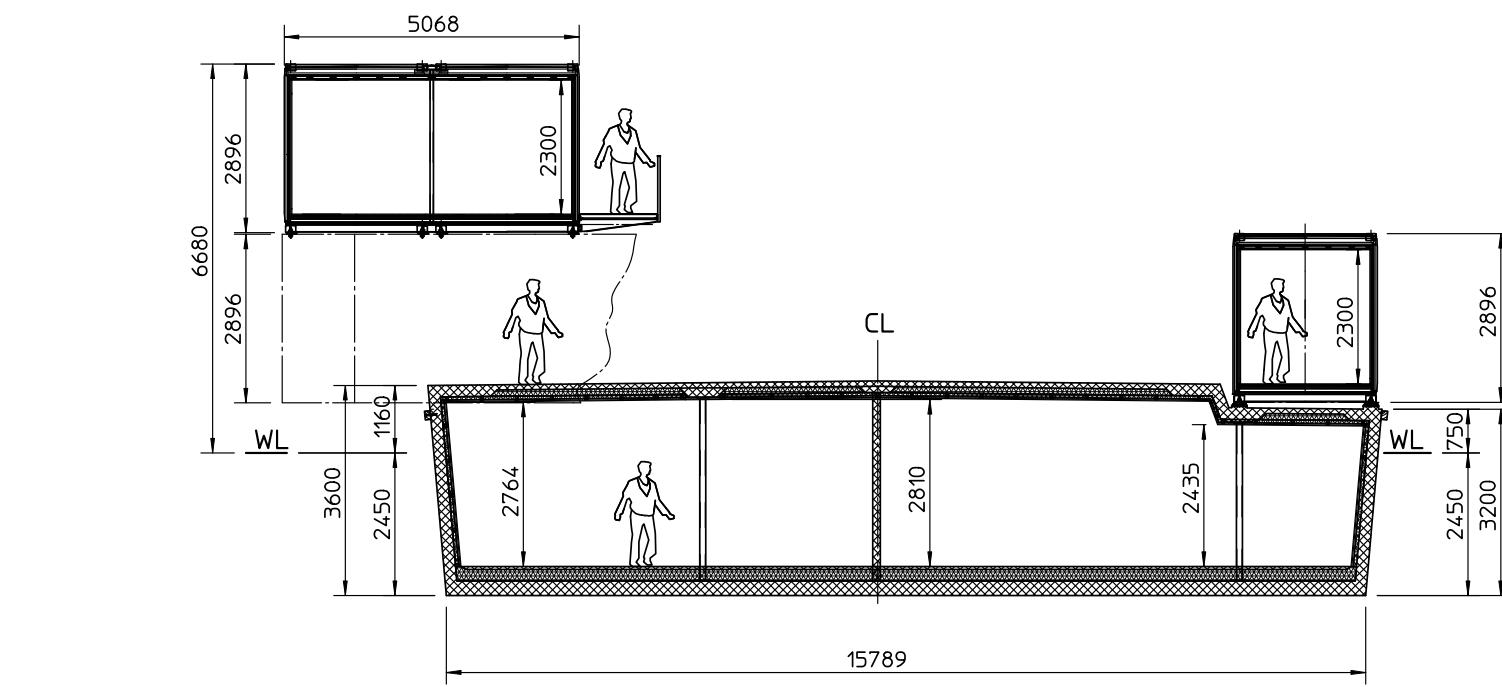
6,68 m  
2,45 m

The total weight including live loads  
The total weight of the hull

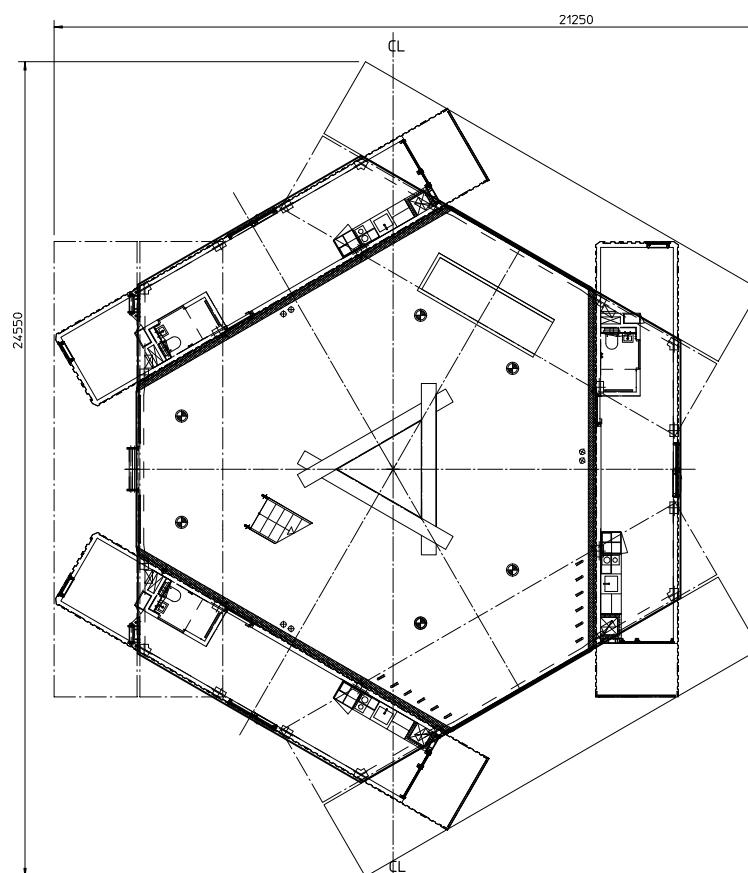
530 ts  
350 ts

Total living space  
Total area in the hull  
The court yard area  
The area of the roof top terrace

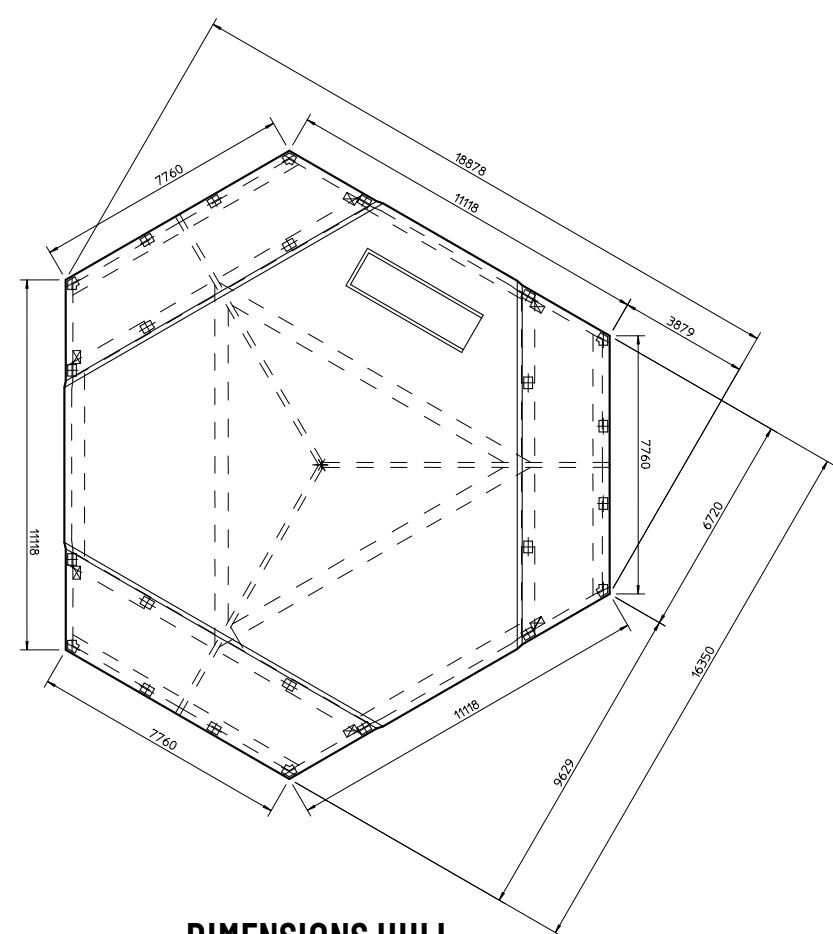
300 m<sup>2</sup>  
220 m<sup>2</sup>  
160 m<sup>2</sup>  
65 m<sup>2</sup>



CROSS SECTION FULL VESSEL



DIMENSIONS FULL VESSEL



DIMENSIONS HULL

# CONNECTED ENDLESS POSSIBILITIES

URBAN RIGGER is a scalable concept in a market with an increasing demand for urban affordable housing. URBAN RIGGER can be located anywhere with water access.

URBAN RIGGER is designed after the LEGO principles of composition and can be connected to small floating villages from 1 – X units after clients' own wishes and needs.

The Riggers share technical and service functions. Electrical power from the solar panels is stored locally and can be distributed when and where it is needed.



# SUSTAINABLE

# CO<sub>2</sub>

An URBAN RIGGER is Co2 neutral in power consumption as all heating is derived from 120 m<sup>2</sup> solar panels that charges 2 batteries that in turn powers a Danfoss heating pump that produces heat from the temperature in the surrounding waters and distributes it throughout the URBAN RIGGER. The target for the development of the next Urban Riggers is to be self-sufficient with zero consumption from shore.



MOVABLE

# IT'S ALL ABOUT LOCATION



As the URBAN RIGGER is floating, it can easily be moved to wherever affordable housing is needed, but space is limited. URBAN RIGGER can be located anywhere with water access, which gives an exceptional possibility in the global real estate market.

# LIFE EXPECTANCY 100+ YEARS

The concrete hull superstructure is made of the most durable steel reinforced concrete. It has a life expectancy of 100+ yrs. and is maintenance free. The habitation steel structure on deck has a life expectancy of 30-50 yrs. with normal maintenance.



PARTNERS

# DEVELOPMENT

Udvikling Danmark A/S has entered into strategic partnerships with Grundfos, Danfoss, BIG, Miele and Niras.  
All partners contribute to the continued development of the URBAN RIGGER.

NIRAS

Danfoss

BIG  
BJARKE INGELS GROUP

Miele

GRUNDFOS® X





# STUDENT HOUSING

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It is estimated that there will be lack of more than 4 million student beds in Europe by 2025. The demand for student housing in the European capitals is impossible to fulfill due to increased urbanization, population and more elderly.

Governments and local authorities are desperately searching for solutions to the increasing problem with student housing. The authorities are supporting alternative solutions - such as the UBAN RIGGER - by giving necessary permits and accepting fixed long-term contracts with housing developers.

# THE SUPPLY

Udvikling Danmark A/S designs, manufacture and delivers URBAN RIGGERS.  
Delivery time is 9-12 months [depending on location and number of riggers].





# FUNCTION OBJECT

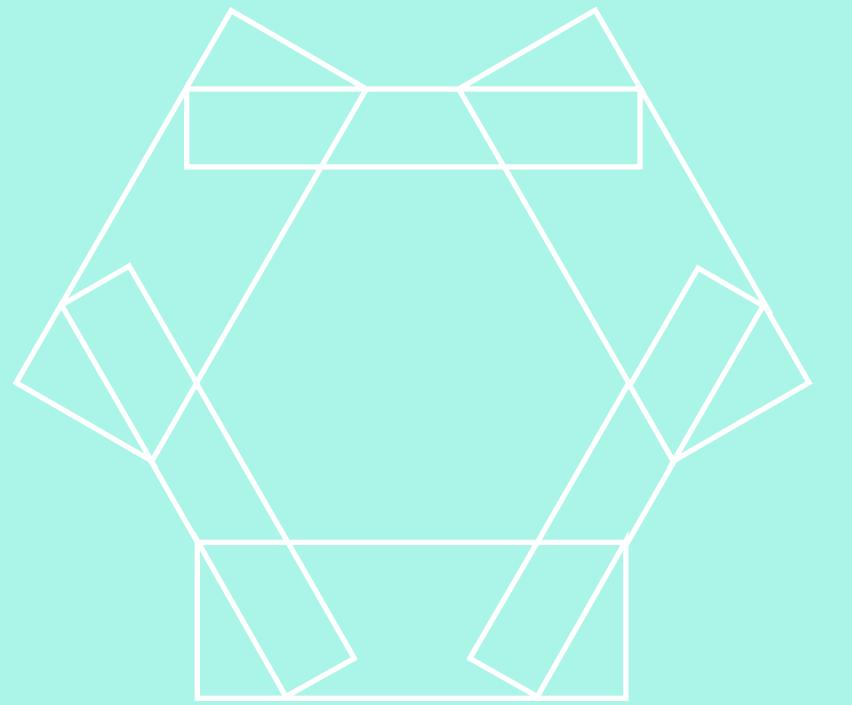
URBAN RIGGER can easily be expanded to capitalize on the broader market demand beyond student housing. i.e hotels, spa, elderly homes, restaurants, gallery, floating markets etc. Obviously, this will only increase rent income by several factors without any impact on production and operating costs.



# ATTENTION MEDIA

The Urban Rigger receives a lot of media attention [especially on social medias] and has been nominated and rewarded numerous times for its unique design and sustainable Co2 neutral power consumption system. The URBAN RIGGER was recently included in the shortlist of the 2017 World Building of the Year.





# ECONOMY SALES PRICE

Sales Price of one URBAN RIGGER unit starts at approx. EUR 1.5M  
(depending on location and number of riggers).



PROCESS

# PROFESSIONALS

Potential purchasers are requested to visit and experience the URBAN RIGGER showcase, currently located in Copenhagen Harbour.

Purchasing one or several URBAN RIGGERS requires documented financial strengths, access to waterfront locations and ability to handle local permits.

Udvikling Danmark is currently fielding requests from more than 20 countries. Udvikling Danmark only works with professional and qualified buyers.



# GET IN TOUCH

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