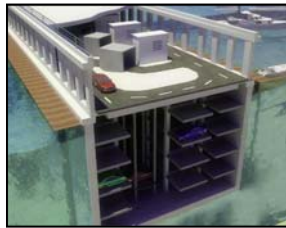


# DIRKMARINE



REFERENCES  
2012

## Floating Homes, 2012

### Floating Home floatation's: HUBB®



Constructions cast in re-inforced concrete. 100 years design life, no maintenance, superior strength, customized dimensions, fast production, competitive price.

The design is made according to the rules in Det Norske Veritas, and approved by the maritime authorities in Denmark



The finished product is a floating basement for a Floating Home or installation.

HUBB® Is a Dirkmarine registered Trademark: HoUse Boat Bottom



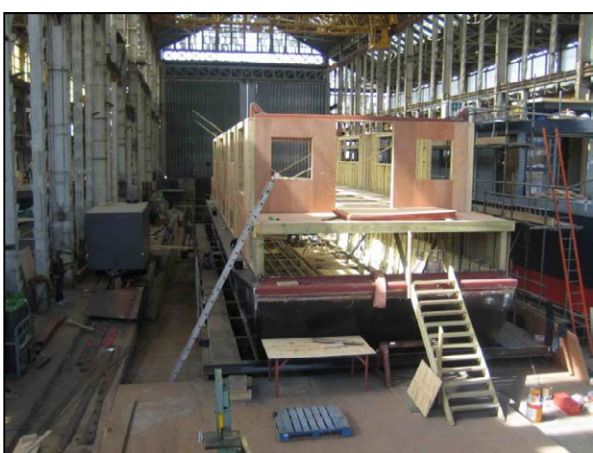
## Floating Homes



Floating Homes are custom made floating dwellings. The superstructure and floatation are custom designed to fit any demand residential or commercial.

Floatation's are typically made of a combination of concrete, steel, polystyrene and GRP.

Superstructure's are typically made of wood.



Efficiency and custom design combined.

### Floating Homes, Abu Dhabi, 2009



For His Highness Sheik Tachnoon in Abu Dhabi. A prototype 350 m2 Floating Foundation for a 250 m2 house is produced in a joint venture with an Austrailian side. The floatation is designed to float on a hydro pneumatic air cushion system. The continuation of the project is a floating community consisting of 200 floating villas, with floating driveways, parking spaces, shopping mall, etc.

The Floatation was delivered late summer 2009, The house on top still has to be finished by local contractors, and the continuation will be judged hereafter



Connection of floatation modules by post-tensioning rods later to be grouted.



### **Floating Homes, Wandsworth and Chelsea, London, 2008**

Establishment of a hull casting facility in Chatham, Kent, for the purpose of selling and building HUBB's and Floating Homes in the UK.

A Dutch river barge is sourced and converted into a concrete casting facility.



Moorings are bought and financing for two Floating Homes is established for Wandsworth, London.



The credit crunch at the end of the year postpones the Wandsworth project. A new project in Chelsea goes on, Planning permission applied and granted during 2009.

## Connection Hub for "The World", Dubai 2007



For the purpose of connecting people travelling to the Nakheel development "The World", a conceptual design project and feasibility study was made in Dubai.

The system should:

- Park 3000 cars at two different locations on the coast of Dubai
- Connect the residents or visitors to the people living on the Islands to seagoing or airborne means of transportation, assisting them on their onwards journey to the Islands

"The World" in Dubai was originally projected to host approx 100.000 people. But the latest prognosis (made by Nakheel in the beginning of 2008) forecasted that a mere amount of approx 250.000 people should be wanting to inhabit the project. Today (Jan 2010) the project has been delayed indefinitely because of the credit crunch, and Nakheel struggling to survive the financial crises.



The projected marine installation at each location consists of 10 standard reinforced concrete parking units with an individual capacity of 300 cars. All cars parked by unmanned robotic parking,

Each unit has a total weight of approx 18.000 tonnes: approx 14.000 tonnes of concrete, 4000 tonnes of cars, outfitting and additional payload.

It is possible to place a 10 storage building, park, amusement, restaurants, conference center, hotel etc on top of each module in the system.

The total system hosts berths for ferry's, speedboat taxis, helicopter platforms, and a totally imbedded driveway and roundabout for cars and busses transporting the people that need to go to the Islands.



## Floating parking systems 2006



Conceptual design and patent. Floating Parking is developed to participate in the creation of new waterfront zones, and regeneration of waterfronts in old industrial areas in the major cities around the globe. Floating Parking moves cars from the streets, stores them in a secure environment protecting them against theft, vandalism sandstorms and more. The cars are retrieved and brought back to the main deck of the floating unit by an automatic car storage system.

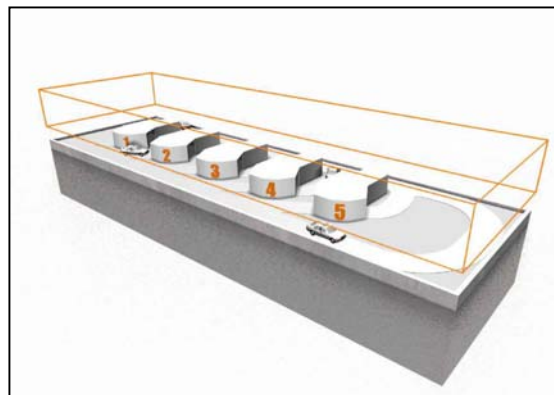
A new innovative patented method for floating multi-storage car parking on water. A unique system.

A standard unit stores 300 cars, and provides 2000 m<sup>2</sup>. of additional multipurpose payload area on top. The additional area may be used for parks, restaurants, buildings, center of a marina, etc.

The main dimensions of the system are adjusted to fit at any location.

The system fits any modern major city with parking problems.

Project management in London, Copenhagen, Dubai.





## **Floating Stage for Copenhagen Harbour 2005**

350 m2 floating Stage alongside berth with seating for audience.

Total weight 1000 ts.

Downstairs accommodation for equipment, Dressing rooms, toilet facilities. etc.

Opening Concert with Lauryn Hill summer 2005



Casting of reinforced concrete floatation unit for Floating Stage.

Weight of hull 500 ts of concrete.

Water and chlorine resistant.

Design life 100 years.



## **Floating Home design and construction 2005**

Private and commercial  
Housing, from 55 to 220 m<sup>2</sup>, and more.

Dirkmarine has designed and built 15 exclusive  
Floating Homes, restaurants and show homes  
in Denmark, Sweden, England and Abu Dhabi.

Houseboat "Copenhagen".

External view.

Weight 180 ts, HUBB of reinforced concrete.  
Wooden superstructure,

Air-con, floor-heating, Mahogany  
cladding and folding doors.

Living space 220 m<sup>2</sup>

Roof terrace 110 m<sup>2</sup>.

Terraces total 150 m<sup>2</sup>.

See homepage [www.jeriva.dk](http://www.jeriva.dk)



Houseboat "Copenhagen".

External view. terrace

Transportation means.



Houseboat "Copenhagen".

Internal view

Upper floor, kitchen area



Houseboat "Copenhagen"

Sea view

Upper floor, terrace





## Houseboat design and construction 2003

HUBB®.

Houseboat floatation unit. Innovative design.

Patentation and registered trademark.

Design life 100 years.

Maintenance free.

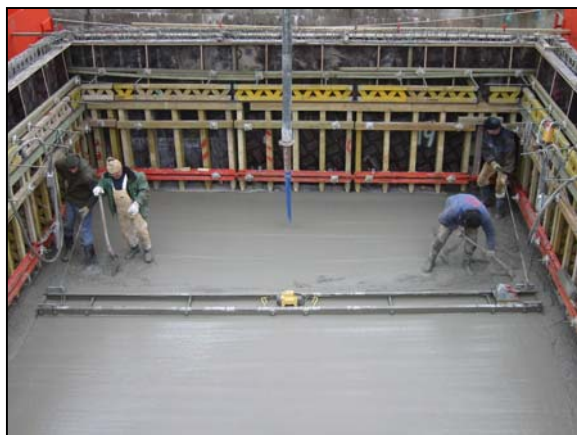
Approved by marine authorities



Casting of concrete floatation units HUBB® for houseboats.

Weight 60 – 120 tonnes

See homepage [www.jeriva.dk](http://www.jeriva.dk)

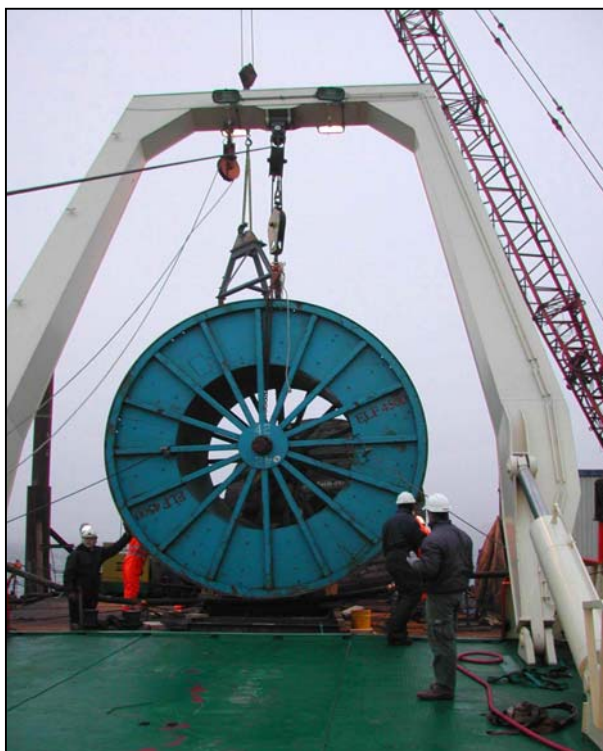


## **Offshore power cable repair project 2002**

Leading Project partner,

Repair of immersed 132 kV  
high voltage power sea-cable.

Responsible for all project administration  
and construction works



## **Steel pipe immersion 2001**

Leading project partner.

Design, construction and  
immersion of 1000 t double  
insulated steel pipe.

Responsible for all project administration  
and construction works

Finishing works at connection  
points



### Øresund Tunnel immersion 1998

The tunnel and bridge project between Denmark and Sweden

Marine operation engineering  
and head of immersion crew.

20 tunnel elements towed out,  
immersed and connected  
on seabed



Tunnel element tow out

### Øresund Tunnel outfitting 1997

Marine operation consultant  
Design and construction of  
tunnel outfitting and equipment  
Head of tunnel outfitting

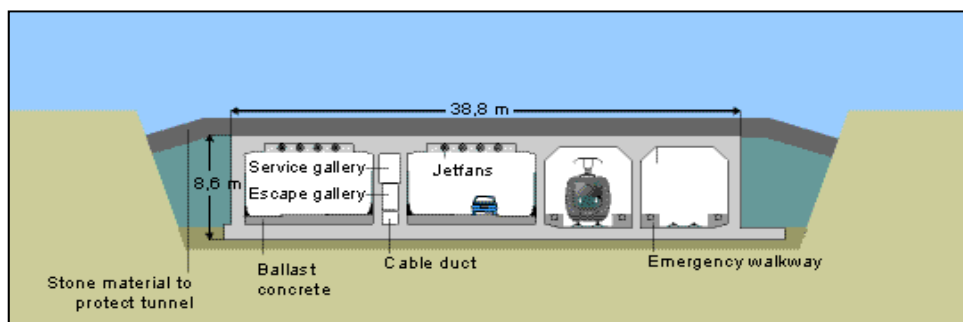
Revolutionary and innovative design of  
temporary bulkheads for tunnel element immersion

#### **1 Tunnel element:**

Length 175 metres  
Weight 155.000 tonnes



Tunnel reusable end-closure bulkhead



Øresund tunnel cross section