When we look at the North Sea, we enjoy the smooth sound of the waves, the salty air and the wind blowing in our face.

Related this scene is a small difference world. A world of hard work to hold the elements of the world. To face the challenge of the harsh wind and rough seas and have your mental stability.

On these platforms, people are working and need the basic needs to complete their work. It’s a good reason. Fortunately, the north sea has two vessels. The pleasure is taken by being comforted. It is said to contain the cabins, recreation areas, kitchen etc. It can also be called a sea hotel.

"Can the existing Living Quarters be made of another material than steel to succeed in a lightweight design taking into account the strict offshore rules and technical performances?"

PROBLEM

RESEARCH

DESIGN

CONCLUSIONS

CONSTRUCTION

PANEL

PERFORMANCES

PROTOTYPE

LIGHTWEIGHT

OFFSHORE

MODULES

<table>
<thead>
<tr>
<th>Construction 3D model</th>
<th>Construction 3D model</th>
<th>Construction 3D model</th>
</tr>
</thead>
<tbody>
<tr>
<td>3D visualization (1/3)</td>
<td>3D visualization (1/3)</td>
<td>3D visualization (1/3)</td>
</tr>
</tbody>
</table>

Reduced transportation and installation costs
Reduced cost and maintenance of the construction
The panel can be cut into a number of required surfaces
The panel provides good thermal insulation and improved acoustic performance
The surface of the panel is impermeable and does not use any kind of finish
The two vessels are connected via a central mast

Engineering cost will be maintained due to a expanding production
Aesthetic perforance is preserved by introducing a unique look and feel

Easy installation of the panel by a clamp system. This is a simple and clear process. The panel could be made in other variations or welding or bonding to pedestal

The overall weight saving will be around 30% for both structure and architecture on the total weight.