

ReBuild

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Synopsis

The project ReBuild revolves arround a mechanism for fastening of functional modules on to commercial vessels in order to enable re-assembly

The solution is a mechanism relying on standard components in a wire system. The mechanism applies tention to wires mounted from module to deck, and thereby fasten the module firmly into place.

ReBuild is designed with the use scenario in focus and the solution is scalable in order to also mount onboard cranes and cargo. Mikkel Bech Nielsen

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Introduction

This brochure is aimed to appeal to potential cliens on fairs and at meetings, by presenting ReBuild and its function.

ReBuild is a the mechanism of a modular system designed for Tuco Marine Group. It enables modular re-assembly of Tuco's commercial composite catamarans.

Functions are divided into modules which ReBuild attatch to a given platform of 12, 15 or 17 meters. These modules are available as standard solutions and can be designed to suit specific demands.

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Wish to be able to build up their vessel without limitations

The common factor is individual build. Tuco introduces Re-build

MODULARITY IS KEY

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Commercial vessels are build to facilitate platforms for specific use scenarios. The design strives to bring versatility into the nature of the vessel, but once the vessel is complete, predetermined functionaity and use dictates the scenarios in which the platform can work.

At Tuco, we eliminate predetermined scenarios by offering an innovative solution, enabling re-assembly of the vessel platform. Functions of the vessel is devided into modules which are placed on deck with our ReBuild mechanism. This allows the vessel to adapt to any given use scenario

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The ReBuild mechanism is mounted on module walls, apearing as part of the interior design. The mechanism is visible through a frosted glass shield.

Carbon panels on the side draw references to the material in which the vessel is build.

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Materials

Carbon Fiber

- High tensile strength
- Good dimentional stability
- Aesthetic feature
- High stiffness

Frosted glass

Trasculent

High stiffness

Ethylene Propylene Abration resistant

High friction

Water resistant

Stainless steel

Corrosion resistance

- High tensile strength
- Good dimentional stability
- Quality
- High stiffness

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Use Scenario



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Simple technical drawings

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Item	Quantity	Material
Turnbuckle	1	Stainless steel
Threaded hexagonal beam	2	Stainless steel
Bracket	2	Stainless steel
Turnbuckle sleve	2	Ethylene Propulene
Sleve mid section	1	Stainless steel
Glass shiels	2	Frosted glass
Carbon shield	2	Carbon reinforced Epoxy

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