



**POLITECNICO
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Honors thesis

COURSE OF

MASTER OF SCIENCE IN SUSTAINABLE ARCHITECTURE

Abstract

TRABOCCHI: PARADIGM BETWEEN STRUCTURE AND TECHNOLOGY FOR THE ENHANCEMENT OF THE TEATINA COST



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The Costa Teatina is an area which offers wonderful landscapes, but it isn't a famous place. In this area there are a lot of natural places, starting from mountain peaks, where transports and infrastructures are still underdeveloped, continuing in hilly landscapes with typical villages and arriving to the coast where between cliffs and beaches there are particular structures, used in the centuries to fish: the Trabocchi. They are typical wood constructions, that rise from the water with elegance, but simultaneously with strength, becoming a distinctive symbol of the costa Teatina.

These structures create a lot of attraction towards the people due to a sort of mystery that start from their unknown origins: some people think that the Trabocchi were built in the XVIII century, and also through the structure characteristics: even today it is difficult to understand how simple fishermen built these, only apparently, fragile facilities but still standing.

The route to write the thesis has been composed by different steps. Initially, we do a lot of document research about the territory

and on-site visit, then moving towards the Trabocchi argument, searching specialized books and doing interviews to the people that built these structures.

Finally, a larger study has been conducted, considering all the European structures that could be compared to the Trabocchi.

All these researches have generated a great interest towards the technologies that have been used to build the Trabocchi, giving the inspiration for our project: "Lu Turchinjie". The project tries to connect the fantastic structures, the Trabocchi, with the actual territory and to reevaluate the costa Teatina. The project area is in the San Vito Chietino territory, more in detail in the Portelle district. This place has been chosen because in the August of 2014, the Turchino Trabocco has fallen down and also because there are some abandoned railway tunnels, which could be reinvented as cycling path and exposure zone.

The concept is to reuse the abandoned facilities around the Trabocco to improve the accessibility to the beaches and the Turchino itself.

<<...Dall'estrema punta del promontorio destro, sopra un gruppo di scogli, si protendeva un Trabocco, una strana macchina da pesca, tutta composta di tavole e di travi, simile a un ragno colossale. >>

*Gabriele D'annunzio,
Il trionfo della Morte,
1894.*



Trabocco Valle Canale, San Vito Chietino (CH)-Fonte: Carolina De Lucia e Giorgia Gerino

The focal point of all the project is the renovation of the Turchino, using original procedures and local materials.

The new Turchino, "Lu Turchinjie", wants to represent the original one, and its shape is similar to a spider, as Gabriele D'Annunzio suggested, with a square shaped central body and eight beams that start from the roof and go towards the sea with different length, like the spider's legs.

"Lu Turchinjie" becomes an exposure zone, where cultural associations, local history buffs, schools, and all the interested people can show and explain the history of the Costa Teatina and also explain the functions of



Masterplan Progettuale Area Trabocco "Lu Turchinjie"



Render Trabocco "Lu Turchinjie"

the Trabocchi, using the renovated "Lu Turchinjie" fishing system.

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