

THE REFURBISHMENT OF M/V ANNA MARU:FOUR SAMPLES OF USING DURABLE WOOD PRODUCTS IN PASSENGER SHIP INTERIOR AND EXTERIOR DESIGN

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ABSTRACT

This study aims to identify the behavior of wood in marine environment, as well as its use in interior and exterior design of small cruise passenger ships. Cruise industry is among the most exciting and fast-growing categories in the leisure marketplace, especially in the Mediterranean region, so that there is a need for constant improvement of services and passenger comfort.

Although wood as a building material has the most significant influence on interior design and furniture production, the material choice and building methods are first defined in the design-phase.

This study is founded on actual experiences during the refurbishment of the passenger ship Anna Maru during the spring of 2016 in Psaros shipyard in Perama, Greece.

The introductory chapter is formed by specifying the vessel characteristics, its design essentials, design processes and design methods, which facilitated the successful completion of full treatment. In add-on, the problems of noise and vibrations also are mentioned, something that requires monitoring of international standards, proper usage of materials and reduction of costs. The final chapter discusses the examples of practical usage and execution of traditional wood products such as tropical hardwood, combined with the contemporary composite materials, as well as finishing techniques.

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