Marine Design is an holistic design process with a strong focus on the end users as well as stakeholders in the design process, based on the principles of Industrial Design. In contrast to Industrial Design, Naval Architecture is about addressing a design specification. The most important part of the Marine Design (Industrial Design) process is reaching a well informed design specification. Effective Marine Design requires a multidisciplinary team design of Naval Architects, Industrial Designers, Human Factors specialists, environmental psychologists and interior designers.

Marine Design has a focus on technical concepts, products and processes, as the understanding of product life cycle is fundamental to the design of ship (DFM) of vessels or any other product in order for it to become a market leader. Marine Design encompasses the engineering of objects, usefulness as well as usability, usability, environmental impact and social aspects. The benefits of a life cycle approach are: less environmental impact and social aspects. This paper reports on a Marine Design approach to the development of a Wind Farm Support Vessel interior using a modular construction system. The modular system was specifically developed and fitted into the hull of the vessel, whereas traditional fitting approaches currently take days. This design innovation facilitates adaptability, whereby the interior of a vessel can be changed to another use within a day, giving the operator vessel flexibility and extended operating life.

**Introduction**

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Marine Design process is understanding the needs and priorities of both the users and the owner and linking that information to the design process. The design process is understanding the part needs of the interior and the end users. The aim of Marine Design is to improve the aesthetics, human factors and functionality of the design of the vessel, and system, and its marketability. The role of a Marine Designer is to create and execute design solutions for productivity, ergonomics, market developments, and sales. Based on the principles of Industrial Design, the objective of Marine Design is to understand the connection between product (vessel or system), the user and the environment.

In the WFSF market design generations and variations are evolving so quickly that there are no DFMs. Instead being offer a DFMs to the market, vessels are being reinvented from one model to the next it does not allow production engineers to plan and design in order to develop cost effective solutions. The market is so dynamic that.....

Whilst Naval Architects are qualified in the design of vessel hull and structures, the skill sets required for design for manufacture, interior design, fit out and human factors are a different aspect. The DFMs will not be available in the future and this is where Naval Architects to focus on many aspects of the design process.

**Conclusion**

From dialogue with the client the GA shown in Figure 8 was developed as a 3D version to the CAD model shown in Figure 9, where the vessel has been scaled to the design proposal with the client. The use of the DFMs (Digital Human Model) enables the ergonomic design of the digital and physical design of the ship. The DFMs are enabling the detailed design of the ergonomic design of the ship. The DFMs are enabling the detailed design of the ergonomic design of the ship.