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Reeds Vol 14: Stealth Warship Technology (Reeds Marine Engineering And Technology Series)



Synopsis

First book to give an insight into a growing area of interest - stealth warship technology - which is crucial for future developments in warship construction. It demonstrates the importance of materials used in warship construction and how this influences all of a naval platform's design parameters. Stealth technology is now considered a critical component within warship design, with interest in the concept of stealth increasing around the globe as naval forces adapt to new challenges. Many new developing nations are now implementing their first generation of stealth technology military hardware. This exciting book explores the full extent of threats to warships and thus the transformational change in naval architecture to incorporate these modern stealth technologies. Discussing the history of stealth technology, with references to well-known aircraft, ships and events in military history, the book also provides readers with a unique opportunity to develop an understanding of the specialist skills required in this naval sector. This is an essential read for anyone interested in stealth design and the issues involved in this evolving technology.

Book Information

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Customer Reviews

Some of the technical detail is simply beyond me, but this is still an interesting read for readers interested in naval affairs. I simply had no idea of the complex interconnections that enter the equation. There are so many ways a ship can be detected--radar, sonar, satellite tracking, wake, cavitation, reflection. And there are so many variables in making a ship stealthy, so to speak. These

include humidity, temperature, ocean depth and currents, and many other factors. It seems as if stealth technology works well for small ships and is difficult for larger units. No wonder the US Navy seems to be changing to littoral ships. A reader better educated in the technology than I am might benefit more. What I have taken away from this book (available at my university library) is an appreciation of the very advanced systems a modern navy must master in order to remain effective.

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