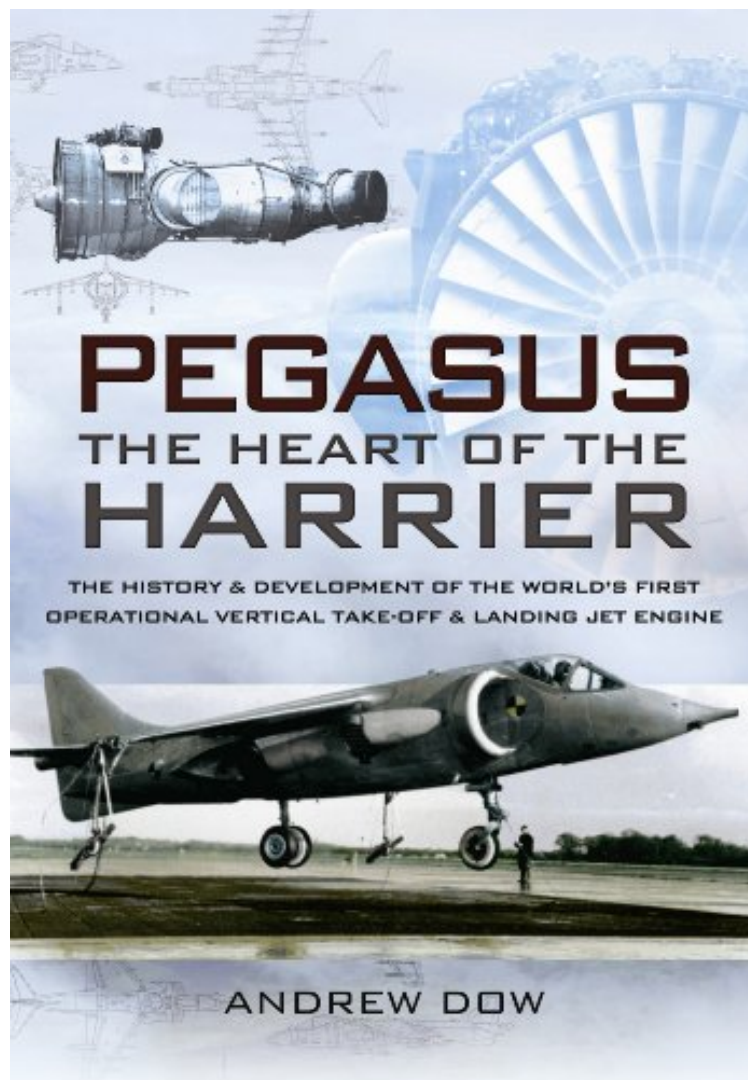


(Library ebook) Pegasus - The Heart of the Harrier: The History and Development of the World's First Operational Vertical Take-off and Landing Jet Engine

Pegasus - The Heart of the Harrier: The History and Development of the World's First Operational Vertical Take-off and Landing Jet Engine

Andrew Dow

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Andrew Dow : Pegasus - The Heart of the Harrier: The History and Development of the World's First Operational Vertical Take-off and Landing Jet Engine before purchasing it in order to gage whether or not it would be worth my time, and all praised Pegasus - The Heart of the Harrier: The History and Development of the World's First Operational Vertical Take-off and Landing Jet Engine:

0 of 0 people found the following review helpful. Good detailed historyBy RGMThere were lots of interesting technical bits (which as an aerospace engineer I appreciate) as well as historical notes. Some of the political/financial information was sleep-inducing, but that's part of making a complete history. The author's feelings towards VTOL/STOVL aircraft are very forthright getting to preachy, and I'd like to see an independent corroboration of some of the claims (air-to-air performance vs. other aircraft) but overall a good book.0 of 0 people found the following review helpful. An Insightful History of the Pegasus TurbofanBy Geoffrey D. RobinsonThe author has provided the aeronautical community a real service with his thorough account of the engine's conception, development, and integration with its airframe(s). I was impressed not only with the author's mastery of the material, but also the scope of his account - engineering, commercial, key personnel. An excellent read and fully worthy of an excellent engine and its gifted designers and operators. GDR.0 of 0 people found the following review helpful. Absolutely OUTSTANDING effort on this engine - there's stuff in here for both the layman and the retired engineer!!By johnThis is an outstanding effort written about, in my opinion, what is clearly the most unique turbine engine ever developed for an aircraft. John Farley is absolutely correct: The "heart" of any aircraft lies in its engine; the Pegasus is the absolute "King" of this concept! Without it, the Harrier, with its unique performance parameters and abilities (such as "viffing" as an aerial maneuver), would not have existed. Without the brain-storming efforts of such visionaries as Fozard and Hooker, et al, this magnificent engine/airframe combination would never have come into existence - especially when it did! Imagine the outcome of the Falkland Islands War without the Sea Harrier?! An excellent book - bar none!! Simply magnificent...!!

The conception of the Pegasus engine in 1957 upset all the conventions of aircraft design. It was previously usual for aircraft designers to seek a suitable engine, but this was an engine that sought an aircraft. The aircraft that resulted was the famous Harrier that is still in front-line service with air forces around the world including the RAF and US Marine Corps. This book takes an in-depth look at the engine's original design concept, initial production and flight testing. It then goes on to explain how the developments and improvements have been made over the ensuing years and includes experiences of operational combat flying, both from land and sea. The book is written in a non technical style that makes comfortable reading for all enthusiasts and historians and is copiously illustrated with many previously unseen photographs and diagrams. REVIEWS ",,,well researched." Speed Readers.info, 03/23/10

About the Author Andrew Dow worked in the aviation industry for Bristol Siddeley and then Rolls-Royce between 1962 and 1991. He was on the Pegasus team from 1975 to 1991. He was witness to, and participant in, many of the events related in this book. He lives in Newton-on-Ouse, York.