

# Unmanned Air Systems: UAV Design, Development and Deployment

By Reg Austin

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**Unmanned Air Systems: UAV Design, Development and Deployment** By Reg Austin

*Unmanned Aircraft Systems* delivers a much needed introduction to UAV System technology, taking an integrated approach that avoids compartmentalising the subject. Arranged in four sections, parts 1-3 examine the way in which various engineering disciplines affect the design, development and deployment of UAS. The fourth section assesses the future challenges and opportunities of UAS.

Technological innovation and increasingly diverse applications are two key drivers of the rapid expansion of UAS technology. The global defence budget for UAS procurement is expanding, and in the future the market for civilian UAVs is expected to outmatch that of the military. Agriculture, meteorology, conservation and border control are just a few of the diverse areas in which UAVs are making a significant impact; the author addresses all of these applications, looking at the roles and technology behind both fixed wing and rotorcraft UAVs.

Leading aeronautical consultant Reg Austin co-founded the Bristol International Remotely Piloted Vehicle (RPV) conferences in 1979, which are now the longest-established UAS conferences worldwide. In addition, Austin has over 40 years' experience in the design and development of UAS. One of Austin's programmes, the "Sprite UAV System" has been deployed around the world and operated by day and night, in all weathers.

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### Editorial Review

#### Review

"This book review is part of the Practical Industrial Applications series on Startup Business Book Reviews, providing quality book reviews of the business books that matter." (*Will Roney*, 3 September 2012)

"Overall, the book is a useful guide to the wide subject of unmanned aircraft and will sit comfortably on the shelves of both interested amateur and experienced professional." (*RAeS Aerospace Professional magazine*, 1 April 2011)

#### From the Back Cover

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- **Provides an integrated analysis of most recent trends and developments in the rapidly expanding UAS industry**
- **Written by a leading expert with over 40 years' experience leading UAS programmes**
- **Examines future opportunities and challenges facing the UAS industry**

#### About the Author

Leading aeronautical consultant **Reg Austin** co-founded the Bristol International Remotely Piloted Vehicle (RPV) conferences in 1979, which are now the longest-established UAS conferences worldwide. In addition, Austin has over 40 years' experience in the design and development of UAS. One of Austin's programmes, the "Sprite UAV System" has been deployed around the world and operated by day and night, in all weathers.

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**Tina Wilson:**

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