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This comprehensive guide to modern airship design and operation, written by world experts, is the only up-to-date book on airship technology intended as a technical guide to those interested in studying, designing, building, flying, and operating airship. In addition to basic airship principles, the book covers conventional and unconventional design in a panoramic and in-depth manner focusing on four themes: (1) basic principles such as aerostatics, aerodynamics, propulsion, materials and structures, stability and control, mooring and ground handling, and piloting and meteorology; (2) different airship types including conventional (manned and unmanned), hot air, solar powered, and hybrid; (3) airship applications including surveillance, tourism, heavy lift, and disaster and humanitarian relief; and (4) airship roles and economic considerations. This second edition introduces nine new chapters and includes significant revisions and updates to five of the original chapters.

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### Editorial Review

#### Review

'Airship Technology offers a remarkable quantity and quality. For any student or practising engineer in the airship business this constitutes very worthwhile reading as a welcome modern addition to the field.' Martyn Pressnell, Aerospace

#### About the Author

Gabriel Alexander Khoury is a Professor of Engineering at Imperial College of Science, Technology and Medicine, London and Padua University, Italy. His interests include airships in general and solar powered airships in particular, for which he first published the proof in 1978. He was elected Member of the Technical Committee of The Airship Association in 1979, Council Member in 1990 and Vice Chairman in 2011. Khoury has organised several international conferences of The Airship Association in Bedford, Cambridge, Friedrichshafen and most recently, Paris. For his contributions to airships, Khoury was elected a Fellow of the Royal Aeronautical Society. He is also a chartered engineer, a Euro engineer, a Fellow of the Institution of Structural Engineers, a Member of the Nuclear Institute, a Member of the Institution of Fire Engineers and Director of Fire Safety Design and Chief Executive of London Greenways.

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