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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Overview / Ernst Kessler and Marin D. Guenov -- MDO at predesign stage / Marin D. Guenov ... [et al.] -- Helicopter predesign strategy : design-to-mass or design-to-cost? / Jos Stevens ... [et al.] -- Aeroelasticity and sizing in a multilevel modeling approach for preliminary design / Wolf R. Kruger ... [et al.] -- Multidisciplinary wing design optimization / Martin Laban and Paul Arendsen -- Meta-modeling and multi-objective optimization in aeronautic MDO / W.J. Vankan, W. Lammen, and R. Maas -- Fuselage structure optimization / Stephane Grihon ... [et al.] -- Pylon multidisciplinary optimization / Stephane Grihon ... [et al.] -- Engine MDO deployed on a two-stage turbine / Roland Parchem ... [et al.] -- Using the virtual-enterprise-collaboration hub for distributed engine optimization / Holger Wenzel ... [et al.] -- Securing virtual-enterprise collaboration / Michel Kamel ... [et al.] -- EDMRF to ensure partners' collaboration for multidisciplinary optimization / Frederic Feru ... [et al.].
Sommario/riassunto	Presents the results from a major European research project - Value Improvement through a Virtual Aeronautical Collaborative Enterprise

(VIVACE) - on the collaborative civil aeronautical enterprise. This book is suitable for researchers and practitioners in the field of complex systems design.
