

1. Record Nr.	UNINA9910155399103321
Titolo	Supply Chain Integration Challenges in Commercial Aerospace : A Comprehensive Perspective on the Aviation Value Chain // edited by Klaus Richter, Johannes Walther
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-46155-9
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (VI, 297 p. 120 illus.)
Disciplina	658.7
Soggetti	Business logistics Engineering economy Production management Aerospace engineering Astronautics Industries Supply Chain Management Engineering Economics, Organization, Logistics, Marketing Production Aerospace Technology and Astronautics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction -- Part I: Product Development -- Part II: Configuration and Demand -- Part III: Component Manufacturing -- Part IV: Assembly and Integration -- Part V: Life Cycle Business Models and Aftermarkets -- Outlook. .
Sommario/riassunto	This book presents firsthand insights into strategies and approaches for the commercial aerospace supply chain in response to the numerous changes that airlines, aircraft OEMs and their suppliers have experienced over the past few decades. In doing so, it investigates the entire product value chain. Accordingly, the chapters address the challenges of configuration and demand, and highlight the specificities of customization in the aviation industry. They analyze component

manufacturing, share valuable insights into assembly and integration activities, and describe aftermarket business models. In order to ensure more varied and balanced coverage, the book includes contributions by researchers, suppliers, and experts and practitioners from consulting companies and the aircraft industry. Taken together, they provide a holistic perspective on the transformation drivers and the innovations that have either been implemented or will be adopted in the near future. The book introduces and describes new concepts and innovations such as 3D printing, E2E demand management, digital production, predictive maintenance and open innovation in general, supplementing them with sample industrial applications from the aviation sector.
