

(Mobile ebook) Greening Airports: Advanced Technology and Operations (Green Energy and Technology)

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Milan Jani

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Milan Jani : Greening Airports: Advanced Technology and Operations (Green Energy and Technology) before purchasing it in order to gage whether or not it would be worth my time, and all praised Greening Airports: Advanced Technology and Operations (Green Energy and Technology):

Greening Airports considers the 'greening', i.e., more sustainable development, of the entire air transport system – airports, air traffic control, and airlines – that could be achieved by the development and implementation of advanced operations and technologies. A broad overview of the general concept is given at the start of Greening Airports, which then goes on to provide a system for monitoring and assessing the level of greening of both the air transport system and individual airports. These are followed by analysis and modelling of the potential effects of particular advanced operations and technologies on the greening of airports and their local airspace. These include: the development of a large airport into a multimodal transport node by connecting it to a high speed rail network; the use of operations supported by new and existing air traffic control technologies to increase landing capacity of existing runways; the use of liquid hydrogen as a commercial aviation fuel; and the improvement of airport ground accessibility by a light rail rapid transit system. Greening Airports is written for researchers, planners, operators and policy makers in air transport.

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About the Author Milan Jani is an air transport and traffic engineer and planner. He is currently Senior Researcher and the research programme leader of the Transport Infrastructure Section at the OTB Research Institute for the Built Environment of Delft University of Technology (Delft, The Netherlands) and Research Professor at the Faculty of Traffic and Transport Engineering of the University of Belgrade (Belgrade, Serbia). He has held the posts of Senior Researcher at Manchester Metropolitan University (Manchester, UK), Loughborough University (Transport Studies Group) (Loughborough, UK), and the Institute of Transport Research (Ljubljana, Slovenia). He has been involved in both national and international research and planning projects on air transport for about 25 years. He has published and presented many scientific and professional papers in journals and air transport related conferences, respectively. In addition, he has published three books: Air Transport System Analysis and Modelling: Capacity, Quality of Services and Economics, The Sustainability of Air Transportation: A Quantitative Analysis and Assessment, and Airport Analysis, Planning and Design: Demand, Capacity and Congestion. He is a member of the Delft Aviation Centre (Delft University of Technology, Delft, The Netherlands), Air Transport Research Society (ATRS), Airfield and Airspace Capacity and Delay Committee of the Transportation Research Board (TRB) (Washington DC, USA), and Network for European Communications and Transport Research (NECTAR).