



Aviation Biofuels. Curse or Cure for Green Aviation?

By Markus Biedermann

GRIN Verlag GmbH Mrz 2015, 2015. Taschenbuch. Book Condition: Neu. 210x148x2 mm. This item is printed on demand - Print on Demand Neuware - Seminar paper from the year 2015 in the subject Engineering - Aerospace Technology, grade: 1,0, University of Applied Sciences Frankfurt am Main, language: English, abstract: The purpose of this paper is to evaluate the challenges and chances of biofuels in an aviation context. It begins by providing a brief history on biofuels in general and in aviation specifically. It is followed by an overview of the main driving forces for the aviation industry to invest in biofuels and their development. After that, different available biofuels and their segmentation in first, second, and third generations is shown in more detail along with a basic overview on the production processes that exist on the market. Based on the given information, first the challenges and after that, the chances, for the aviation industry on investing in aviation biofuels is shown into detail. The paper claims that the biofuels still have major issues as there is no real alternative on the market or in development that can substitute crude oil-based jet fuel up to 100%. Current biofuels can only...



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