

PANEL 3: AIRPORTS AS A RESOURCE

Traditional Places – New Concepts. Perspectives for climate-friendly regional aviation

Regional aviation is a market segment that is particularly influenced by electromobility and highly automated transport. Currently, more than 200 vehicles for urban and regional air mobility are in various stages of development. In addition to the aircraft, the take-off and landing facilities and their connection to ground transport are a critical building block for implementation. Although urban air mobility will require new infrastructure, the goal of the new regional air mobility is to make use of existing infrastructure. In Germany, for example, there are more than 240 airfields. So the question is how will they be used in the future and how can they contribute to carbon-neutral aviation. In order to improve links between cities with insufficient high-speed train connections, Bauhaus Luftfahrt has radically rethought the concept of the city center airport for regional aviation.



Kay Plötner has led the Economics and Transport team at Bauhaus Aviation since 2016. The team looks at future development opportunities for the air transport system and identifies key drivers at a socio-economic, political and ecological level. Urban and regional air mobility enables new air transport markets and applications, but their potential and essential constraints are still only partially understood. The team is therefore researching promising integration solutions for metropolitan and rural regions worldwide, while taking into account economic, environmental, equity and urban planning considerations. Before Kay Plötner moved to Bauhaus Aviation in 2010, he studied and received his doctorate in aerospace engineering at the Technical University of Munich.