

CUSTOMER DRIVEN DEVELOPMENT OF AIRCRAFT CABIN AND SUBSYSTEM CONCEPTS

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Abstract

Modern Cabin design has to take into account the increasing requirements of passengers concerning comfort, inflight Entertainment etc. as well as the economic interests of the airlines of maximizing their profit. These contradictionary requirements influence strongly new cabin concepts. In this poster we introduce a customer driven development process for cabin concepts. In a first step we show, how passenger and airline requirements can be evaluated and systematically translated into requirements on a cabin . In a second step these requirements will lead to a concept of a cabin or special parts of a cabin. Then the whole cabin is analysed by means of utility value analysis as well as by cost estimations. At last a prototypical or virtual demonstration is used to test this cabin concept in an early stage.