



The chair of Operations Management, in cooperation with AeroGround Flughafen München GmbH announces a

Project Study

on the topic

Analysis of aircraft turnaround processes

Background and Scope

AeroGround Flughafen München GmbH performs landside and airside services related to aircraft, baggage and passenger handling at Munich Airport. The turnaround process takes place between the arrival and the subsequent departure of an aircraft. Between these two events, AeroGround provides the following services: aircraft handling, baggage handling, passenger transport, cargo transport, and fresh water and restroom services. These services are to be provided within the time window specified by the airline; in the event of delays, the goal is to minimize delays.

As part of the project study, the turnaround process and the resources involved in the process are to be recorded and presented for different aircraft models. Subsequently, the times for the individual process steps are to be recorded and statistically evaluated so that probability distributions for process durations can be determined. Furthermore, stochastic factors of the process are to be identified and analyzed.

Requirements

Students should have knowledge in Operations Management, Statistics, Data Collection, and Data Analysis. Knowledge of Excel and R is an advantage.

Start and duration: The project study can be started immediately, preferably full-time.

Location: The project study is mainly carried out at AeroGround. Prerequisite is a successful background check.

Language: German or English

Number of students: 2-3

Advisor TUM: Andreas Hagn

Advisor AeroGround: Dr. Jan Evler (AeroGround Flughafen München GmbH)

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