Introduction to Passenger Terminal Planning & Design

DATES
30.11 - 02.12.2020 Virtual English
In-house English

The terminal represents one of the key elements of the airport infrastructure. It is the gateway for many visitors to a city and the residents to the rest of the world. Over the last few decades airport terminals have turned into more than just a gateway. By now terminals house various functions beyond the original transportation link under one roof. These additional functions range from shopping, working, entertainment, etc.

Terminals are also unique in the sense that the only constant is change. Due to a frequently changing passenger volume, passenger needs and other user requirements it is vital to develop the terminal on a regular basis accommodating recent trends of a dynamic aviation market within a rather static piece of infrastructure.

airsight’s 3-day training course has been designed to give an introduction to the topic for a wide range of professionals from different disciplines and backgrounds. The course will introduce the relevant strategic planning parameters and discuss benefits, challenges and potential pitfalls on the way to a successful Terminal. We explore the principles of terminal design, capacity assessment based on IATA standards identifying terminal expansion and re-configuration opportunities.

The course contains presentations on all main topics, which will be supported by group exercises, case studies and discussions.
Course Content

Introduction

- Terminal Planning and Design
- Terminal Capacity

Key strategic planning considerations

- Terminal Capacity assessment and demand analysis based on IATA LOS
- Passenger flow analysis
- Airport terminal conceptual design
- Airport access, landside facilities and airside facilities

Elements of the terminal planning process

- Identify terminal capacity and IATA Level of Service (LOS)
- Development of Programme of Requirements
- Development of terminal layouts and planning solutions
- Design of planning options and assessment against criteria
- Development of phasing solutions

Course Targets - Upon completing this course you will be able to:

- Participate actively in planning and optimization projects by addressing terminal design issues
- Improve how you integrate user and technical infrastructure requirements into your terminal
- Identify terminal capacity and IATA Level of Service (LOS)
- Identify opportunities for infrastructure improvements that can increase passenger convenience and revenue