

Simaco uses Simio® to help Airport Determine Parking Shuttle Requirements.



Parking is a major revenue stream for most airports and a major American airport authority is rethinking the economics surrounding its lots. It believes that it can significantly change the perceived value of its parking offering by improving shuttle service to and from some of its lots.

Before starting negotiations with potential service providers, the authority wanted a better understanding of its needs. Management wanted to see how changing shuttle bus characteristics such as passenger capacities and speeds would impact customer service. They wanted to know what schedule would best serve their customers given current flight schedules and parking lot dwell times. They wanted some way of quantifying the impact of changing shuttle routes and pick up locations.

To structure and validate the airport's planning processes, Simaco built a parking facilities simulator using the Simio simulation platform. The environment enabled the rapid development of a reliable and highly communicative decision support tool. With the resulting simulator, the airport authority's process improvement team is now able to try out different scenarios, get a clear understanding of the tradeoffs and determine the economic value of the transportation system's operating parameters before negotiations start with prospective suppliers.

About Simaco

Simaco provides organizations with simulation software and expertise that enable them to make enlightened decisions with regards to their capital investments, facility designs and business process streamlining initiatives. Over the past 20 years, its team members have provided superior decision support technologies for organizations involved in manufacturing, logistics, services and government.

About Simio LLC

Simio LLC is a private company headquartered in Pittsburgh Pennsylvania dedicated to delivering leading edge solutions for the design, emulation, and scheduling of complex systems.

To find out more on Simio and Simaco, please contact us by phone at (514) 817-7896.

