

# AIRCPORT



ENABLING INFORMED DECISIONS

# COMPREHENSIVE AND POWERFUL TERMINAL SIMULATION



**ARCPORT™** offers advanced features for simulating and evaluating airport terminal processes and systems. The software provides users with a platform to analyze and visualize flows of passengers, baggage, visitors and employees within the airport infrastructure, in fast time. This facilitates the evaluation of infrastructure constraints, modification or expansion requirements and other what-if scenarios, ultimately allowing stakeholders to make more informed decisions.

## MEASURE DYNAMIC PERFORMANCE

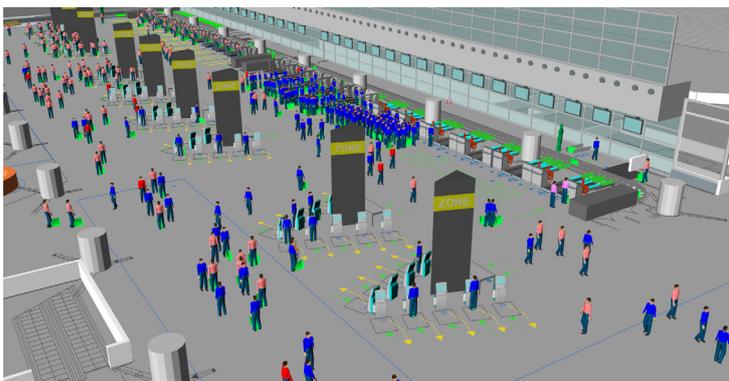
### TERMINAL

ArcPORT Terminal facilitates the definition of terminal facilities and measurement of dynamic performance indicators. This module includes extensive reporting and animation tools to answer questions pertaining to layout and operations, such as optimization and management of curbside areas, departure halls, check-in processes, security screening configurations, departure lounge allocation, transfers and transit procedures, remote and contact bridge boarding, hold and reclaim baggage systems, arrivals hall and more.



*ArcPORT provides a platform to evaluate the likely effectiveness of a terminal.*

## VISUALIZE FLOWS THROUGH THE TERMINAL IN FAST TIME



*Public departure hall and check-in*

### FEATURES & FUNCTIONS

ArcPORT allows to quickly set up and run a simulation model to measure KPIs and test what-if scenarios before any changes are implemented. Facility requirements at all passenger terminal areas can be defined, such as:

#### Public Departure hall and check-in

Assess IATA Level of Service and other KPIs. Evaluate different alternatives of check in allocation. Evaluate the impact of a new schedule or additional flights on existent facilities.

#### Security screening

Evaluate the impact of new regulations or new technology on the security process. Determine your resource needs during the day. Evaluate the impact of new facilities on the level of service.

### Retailing and advertising

Evaluate the exposure to billboards and develop other marketing variables. Evaluate the time passengers and visitors have available for shopping while being in the Terminal.

### Departure lounge

Evaluate different alternatives of departure gate and lounge allocation and its impact on seating facilities and space available.

### Boarding process

Evaluate the impact of boarding strategies on boarding time and congestion in the terminal.

### People mover systems

Realistically simulate people mover systems. Determine frequency of operation, train capacities and more.

### Arrival hall and passport control

Determine the width of the corridors. Determine escalators and elevators needs. Evaluate the impact of deplaning on immigration facilities. Evaluate need of resources through the day.

### Baggage reclaim and customs

Evaluate the performance of different reclaim allocations. Assess the impact that bag delivery has on the Terminal Level of Service.

### Baggage Handling System (BHS)

Evaluate the adequacy of the BHS and other metrics for BHS performance and its impact on the Terminal facilities.

### Transfer analysis

Evaluate in detail all transfer facilities, including how transfer bags might impact the system.



Baggage reclaim and check-in

## REPORTING & VISUALIZATION

With presentation-ready data tables, graphs, movies and images, as well as specialized illustrations of moving objects, including heat maps and tracks, ArcPORT's and flexibility allows its users to convert technical analyses into professional output to succinctly communicate with stakeholders at all organizational levels.

## PROJECT SUPPORT SERVICES

Need assistance preparing an ArcPORT model or evaluating the performance of existing or proposed facilities? Transoft Solutions' team of experts can assist with data collection training, preparing ArcPORT models or analyzing and proposing acceptable or optimal configurations for all nature of ArcPORT projects.





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## CONTACT

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