ARCPORT offers advanced features for simulating and evaluating airport terminal, airside and landside processes and systems. The software provides users with a platform to analyze and visualize flows of passengers, aircraft, vehicles, baggage and cargo 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, 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.

TERMINAL CAPABILITIES
• Curbside layout and management
• Departure hall layout and check-in management
• Hold baggage system layout and management
• Security screening configuration and management
• Departure lounge allocation and management
• Remote and contact bridge boarding
• Transfers and transit management
• Reclaim baggage system layout and management
• Arrival hall management

VISUALIZE FLOWS THROUGH THE AIRPORT IN FAST TIME

LANDSIDE
ArcPORT Landside allows airport operators to evaluate the impact that landside processes have on the airport operations. This includes queuing at intersections, adequacy of parking facilities, curbside operations, public transportation, taxi operation, airport access, exits and through traffic, locations for pick-up and drop-off curbsides for taxis, private cars, busses and other public vehicles, of different routes for different vehicles to and from the airport facilities, signalized versus non-signalized intersections, roundabouts versus intersections, number of shuttle busses needed for operations between parking lots and the terminals, and a whole lot more.

LANDSIDE CAPABILITIES
• Roadway access layout and operation
• Curbside operations management
• Airport access and exit management
• Multiple vehicle operations management
AIRSIDE

ArcPORT Airside provides a platform for the evaluation of airfield and airspace processes such as stand allocation and capacity, the impact of different inbound and outbound routes on taxi times, terminal interfaces, apron management, delays, conflicts, ground service equipment deployment, de-icing, tow-off operations, terrain mapping and clearance, airspace routes, sectors and holds, obstruction surfaces, taxiway and runway management including take-off and landing sequencing, and much more.

AIRSIDE CAPABILITIES

- Stand layout, allocation and terminal interface
- Apron management, delays and conflicts
- Runway and taxiway layout, use and procedures
- Terrain mapping and clearances
- Airspace routes, sectors and holds
- Air traffic control separation standards
- Vectoring and direct routings

EVALUATE AIRPORT PROCESSES

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 unsurpassed power 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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DEVELOPED BY AIRPORT PLANNERS, FOR AIRPORT PLANNERS