CAST EXPRESS SIMULATION

FACILITY REQUIREMENT AND CAPACITY PLANNING SOFTWARE

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CAST Express provides fast simulation and analysis of airport terminal processes. Integrated into the CAST environment, CAST Express supports the user in finding the best solution for terminal process planning with its quick analysis of multiple scenarios.

CAST Express is especially designed for the needs of airport planners and operators to support the fast capacity assessment of terminal processes and facilities. CAST Express offers advanced facility requirement analyses to support the optimized planning of facilities and resources.

CAST Express simulates all passenger processes in airport terminals with their KPIs like queue length, waiting times and area utilization as well as the assessment of Level of Service quality performance.

The Scenario Manager enables quick specification of multiple scenarios that need to be compared to, for instance, test different versions of passenger processes or compare runs with different flight schedules.

CAST Express results are displayed on dashboards within CAST Analysis in order to summarize simulation results and compare different scenarios.
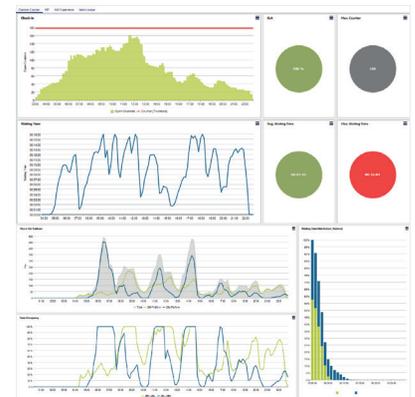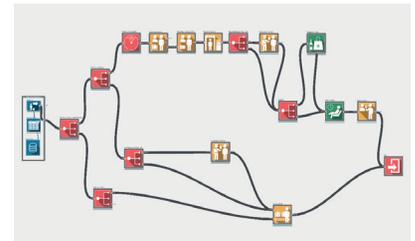
In daily use, the user can e.g. quickly test changes in the operation by supplying the simulation model with changed parameters such as the flight schedule or operational parameters. The results can be provided by CAST Express in standard reports for a quick understanding of the analysis.

KEY FEATURES OF CAST EXPRESS INCLUDE

» Facility requirement analysis for terminal processes
» Level of Service assessment
» Comprehensive resource allocation features
» Scenario Manager for multi-scenario analysis
» Very fast simulation runs

FACTS AND BENEFITS

✓ Supports strategic and tactical planning
✓ Quick simulation of all terminal processes
✓ Advanced facility requirements methods to determine the resource demand
✓ Easy comparison of multiple scenarios
✓ Dashboard reporting

CAST Express can be used stand-alone or as an integral part of the CAST product family:

CAST TERMINAL SIMULATION | AIRCRAFT SIMULATION | VEHICLE SIMULATION | STAND & GATE ALLOCATION | EXPRESS SIMULATION

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