

AIRCRAFT STAND AND GATE ALLOCATION SOFTWARE



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CAST Stand & Gate Allocation is the most powerful support tool for quick and cost efficient resource allocation. The software supports airports, airlines and consulting companies in long-term, medium-term and (pre-) operational stand and gate planning and allocation tasks.



Applying CAST Stand & Gate Allocation leads to an optimized capacity, allows handling of higher traffic volumes and increases the quality of the allocation regarding passenger comfort, airline preferences and operational goals.

APPLICATIONS:

- » Optimizing an allocation for given objectives and restrictions
- » Increasing peak hour capacity to provide more slots
- » Calculating the stand demand and configuration for a future schedule and fleet mix
- » Balancing contradicting objectives like contact stand utilization vs. number of towings
- » Dealing with blocked stands during constructions

Designed for straightforward and uncomplicated workflow, it provides automated and manual stand and gate allocation and, as unique feature, an integrated performance analysis including the stand demand and a detailed, customizable allocation schemes. It considers the available or planned stands, the current or future schedules and specific stand allocation requirements.

The comprehensive allocation rules easily can be adapted in order to:

- » Meet mandatory restrictions like aircraft size/type, flight origin/destination, airline and terminal preference
- » Model MARS stands e.g. used to park one widebody or two small aircrafts
- » Consider adjacency restrictions from stand and gates e.g. boarding a flight from one stand can block arrivals from using other stands
- » Consider user defined allocation priorities (e.g. prioritize home carrier)
- » Rule based split of turnarounds
- » Link flights during data import

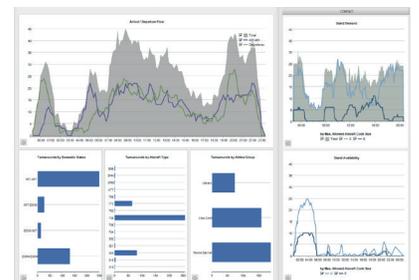
FURTHER FEATURES:

- » Intuitive set-up and configuration through geometric airfield layout representation
- » Automated schedule import of standard or custom flight schedule format
- » Powerful visualization of allocation charts
- » 2D/3D dynamic fast time animation of stand utilization
- » Quick and easy set-up of scenarios
- » Highly rated training and support services for immediate success

CAST Stand & Gate Allocation can be used stand-alone or as an integral part of the CAST product family:

FACTS AND BENEFITS

- ✓ Short-, medium- and long-term stand & gate allocation
- ✓ Optimized resources and higher efficiency
- ✓ Reduced investment costs and risks
- ✓ Enhanced operational quality
- ✓ Easy communication with stakeholders
- ✓ Quick return of invest
- ✓ Individual expert support



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