

# LANDSIDE TRAFFIC AND PROCESS SIMULATION SOFTWARE



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CAST Vehicle Landside is the flexible, comprehensive and most efficient modelling tool for landside traffic flows, processes and passenger drop off. It offers decision support for planning, optimization and validation of the landside road network, parking and related facilities.



Considering flight related and other traffic, with CAST Vehicle Landside existing systems and new concepts can be rapidly evaluated in scalable levels of detail. An airport's landside routing concept can be checked as well as the utilization of roads, parking and other functional areas, for example in order to identify bottlenecks, determine resources or assess the capacity. In combination with CAST's pedestrian simulation capabilities, the interaction with passenger flows can also be modelled.

## EXAMPLE QUESTIONS:

- » How to develop the landside infrastructure?
- » What are the bottlenecks in the access road network?
- » Does the curbside drop off provide enough capacity in the future?
- » Is there enough parking space (long term, short term, staff) available?
- » What are the best locations for parking areas?
- » How to manage Uber and taxi-traffic?
- » What is the optimal traffic guidance during construction measures?
- » How to guide the traffic in order to reduce driving times?

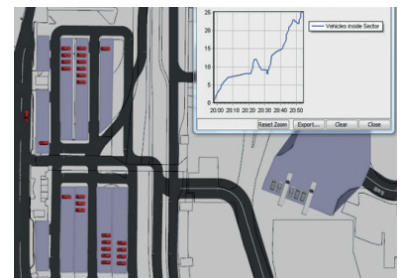
## TECHNICAL FEATURES:

- » Flexible and efficient road network set-up (automated data import)
- » Traffic generation based on flight schedule or stochastic traffic generation
- » Scalable level of detail: quick facility requirement analysis or detailed simulation
- » Automatic routing, conflict resolution and dynamic traffic management
- » Simulation of special processes like checkpoints or toll stations
- » Integration of passenger flow, pedestrian crossings and interaction
- » Powerful automated analytics, dashboards and export of results
- » 3D visualization for analysis and highest management attention
- » Highly rated training and supports services for immediate success

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

## FACTS AND BENEFITS

- ✓ Short-, medium- and long-term decision support
- ✓ Reduced investment costs and risks
- ✓ Optimized resources and higher efficiency
- ✓ More capacity, less delays
- ✓ Enhanced operational quality
- ✓ Easy communication with stakeholders
- ✓ Quick return on invest
- ✓ Individual expert support



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