

NEW AIR MOBILITY SYSTEMS: AIR TAXIS, CARGO DRONES, UAVS, UAM, EVTOL

Based on knowledge of current technologies and experience from hundreds of projects worldwide, ARC's range of services includes drone market analysis and demand forecasting, drone port planning and network analysis, as well as detailed process planning, simulation services and expert consulting in operations and technical studies. Customers and users comprise drone manufacturers, authorities, regulators, drone operators, cities, regions, countries, airports and more.



SERVICES:

- » Drone market analysis and forecast (freight and passenger)
- » Droneport master planning and advanced process planning
- » Droneport terminal and airfield layout planning and design
- » Droneport and airspace network planning analysis
- » Capacity and transport performance assessment and optimization
- » Intermodality concept planning
- » Expert reports and aeronautical studies
- » Strategy development, feasibility studies and demonstration

SOFTWARE SOLUTIONS:

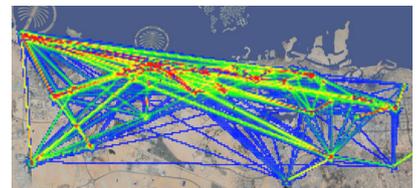
Based on the worldwide leading aviation software solution CAST, ARC provides a full scope of digital tools to the drone industry to support quick and efficient concept development, analysis, decision-making and stakeholder communication:

- » 3D simulation and visualization of drone traffic scenarios
- » Network planning and analysis
- » Droneport operations and process simulation
- » For local, regional and supraregional drone traffic networks
- » Allocation and capacity planning and management
- » Feasibility test and demonstration of drone operations
- » Determination of technical KPI and business KPI

A guideline for all of ARC's services and digital solutions is the achievement of the predefined customer goals, driven by requirements like economical and technical efficiency, safety, security and environmental sustainability. In balancing factors, such as high level goals and detailed requirements, state-of-the-art technology and culture specific conditions, agile and pragmatic approaches, tangible results of the highest quality are guaranteed.

FACTS AND BENEFITS

- ✓ Simulation and visualization
- ✓ Short-, medium- and long-term decision support
- ✓ Improvement of planning
- ✓ Optimized investments
- ✓ Reduced costs and risks
- ✓ Optimal communication to stakeholders
- ✓ Individual expert support
- ✓ Tailored software solutions



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