Antalya International Airport

Control system upgrade, New Substations, Constant Current Regulators

Engineering Solutions

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SMGCS replacement, supply of CCR's

Project Key Facts

Client Name | TAV Construction

Location | Antalya International Airport - Turkey

Dates | Sept 2024 - Mar 2025

Antalya Airport is one of Turkey's busiest international gateways, playing a vital role in the country's tourism and transport infrastructure. With growing passenger demand and the need to modernise its operations, the airport embarked on a large-scale infrastructure expansion led by TAV Airports and Fraport AG. The project aimed to enhance capacity, improve safety, and prepare the airside environment for future operational demands.

atg airports was chosen as a key partner for this project, specifically tasked with the design and commissioning of the Airfield Ground Lighting (AGL) control system, the manufacture and supply of 120 Constant Current Regulators (CCRs), and integration within the wider project delivery team. This assignment placed atg at the heart of a critical infrastructure upgrade, demonstrating its technical and operational strengths on a global stage.

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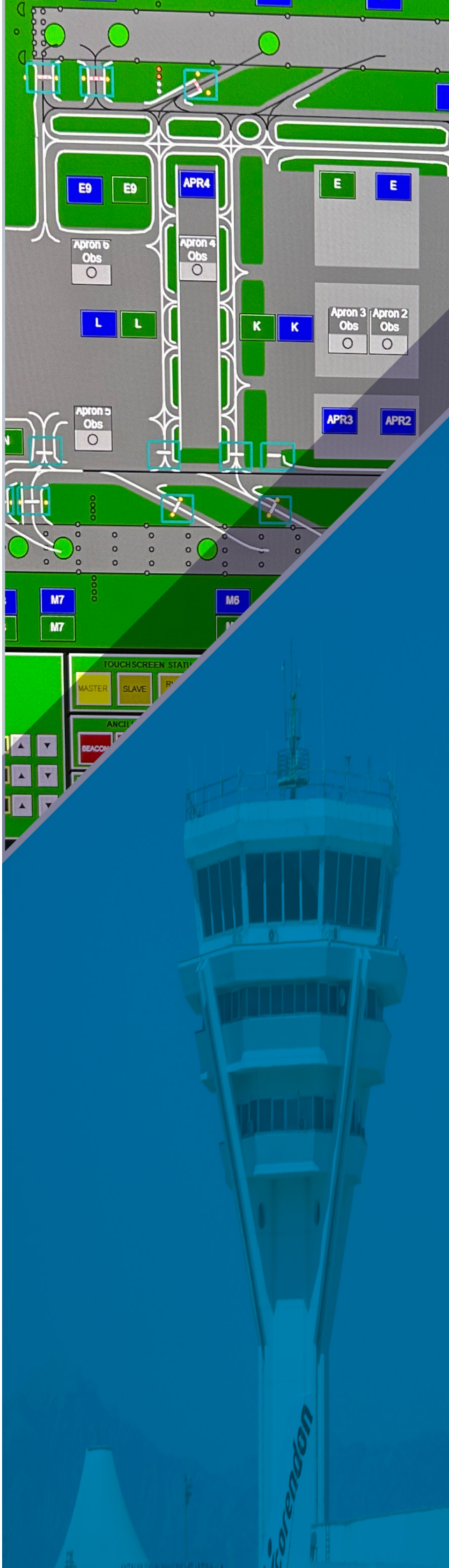
Technical Delivery and Manufacturing Capability

The scale and complexity of the airside works demanded a robust, resilient, and future-proof AGL solution. atg airports delivered a fully integrated AGL control and monitoring system (CMS), engineered to provide real-time control, diagnostics, and operational flexibility. The system was built on a highly reliable architecture incorporating redundant servers, dual power supplies, and a fibre-optic network backbone, ensuring continuous operation and system availability. Customised to meet the specific requirements of Antalya Airport, the solution was fully aligned with ICAO and EASA standards, supporting both current and future operational demands.

To support the upgraded LED-based airfield lighting, atg airports manufactured 120 Constant current Regulators. These units are designed for efficiency, durability, and seamless integration with the AGL control system, featuring control via dual redundant Ethernet to ensure maximum reliability and system resilience. This capability highlights atg's in-house manufacturing expertise and robust supply chain reliability, delivering performance that meets the demands of mission-critical airfield operations.



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Collaborative Planning & Seamless Commissioning

From the outset, atg airports worked closely with airport authorities, local contractors, and project stakeholders. Their active involvement in strategic planning ensured phased delivery of systems that aligned with broader construction and operational schedules. With minimal disruption to airport operations, atg's engineering team conducted on-site commissioning, coordinating closely with all parties to ensure system readiness, functional testing, and performance validation.

By carefully managing testing phases and enabling staged activation of lighting circuits, atg ensured continuous airport functionality — even during high-traffic periods.

A Proven Reference Site

The Antalya Airport upgrade is a proven reference for atg airports' ability to deliver complex AGL solutions on time and to a high standard. It reflects not only the company's expertise in control system design and CCR manufacturing, but also its ability to work as part of a coordinated delivery team, helping shape the future of safe, efficient airfield operations.

atg airports

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