



CORTEX
ONECONTROL

A future of seamless, sustainable and safe airside operations.

Seamless Automation: End-to-end Tower and Apron solutions, designed by controllers for controllers, deliver unmatched efficiency and safety across the airport.

Proven Excellence: 30 years of pioneering Airport Ground Surveillance, setting industry benchmarks with scalable, modular, and highly deployable systems.

Future-Ready Innovation: Built on a service-oriented architecture, OneControl adheres to SESAR and ICAO standards, ensuring seamless integration and global interoperability without major infrastructure investments.

Scalability

Configurable to match specific functionality and size needs.

Modularity

Service oriented architecture with functionality and services bundled as needed.

Seamless Integration

Integrate existing and new functionality on a common platform.

User Experience

UI designed and developed together with experienced controllers

Future Proof

Technology stack and architecture based on modern technology.

Standardized Interfaces

Functionality can be extended allowing the system to grow with the airport

The core functionalities of CORTEX OneControl are provided by a number of services:

 Sequencing Service	 Surveillance Service	 Airport/Air Safety Support Service	 CPDLC Service
 Flight/Tow Schedule Service	 AGL Service	 Guidance Service	 Pushback Service
 Digital Tower Service	 MET Service	 Info Service	 Statistics Service
 Stand Status Service	 Workflow Service	 Routing Service	 Flight strip Service

The services of OneControl can be combined in a standard way like traditional ATM products or freely as a fully flexible Integrated Controller Working Position:

OneControl Solution	Description
OneControl Ground	Advanced Surface Movement Guidance and Control System (A-SMGCS) for situational awareness in all weather situations, complemented with Airport Safety Support Service, Routing and Guidance Service.
OneControl Air	Radar Display for airborne traffic, used at small approach centers or combined tower/approach units, to display position of aircraft on approach and early airborne phase. Includes standard set of alerts (STCA, MSAW, APM, APW).
OneControl E-Strips	Electronic Flight Strip Solution replacing paper strips with digital strips including workflow support to indicate next actions for controllers and enabling silent coordination between ATC units and seamless information sharing between different airport stakeholders.
OneControl DMAN	Departure Manager functionality for optimized runway operations and coordination between airport, tower and approach planning. Follows the EUROCONTROL A-CDM guideline and supports DPI message exchange with air traffic flow management units.
OneControl ICWP	As a fully Integrated Controller Working Position (ICWP), the OneControl platform allows to extend the traditional products and combine different services flexible depending on operational or technical responsibilities.
OneControl SDF++	The Sensor Data Fusion is the backbone of most tower solutions. OneControl SDF++ puts the performance in accuracy and reliability to the next level.
OneControl Integration Platform	The Integration Platform provides a standard communication layer between the different OneControl services and between OneControl and the outside world.



Shaping Industry Standards.

OneControl is built to meet the highest European and international standards, including the SESAR Masterplan (Future Service Delivery Model) and ICAO Aviation System Block Upgrades (ASBU). These frameworks drive innovation in air traffic management through scalable, phased, and interoperable solutions.

Strengthen Industry Collaboration

ADB SAFEGATE actively participates in leading aviation working groups such as EUROCONTROL, EUROCAE, ICAO, CANSO, and others. These partnerships ensure we deliver future-proof solutions aligned with global standards, advancing seamless, efficient, and safe airport operations.



Why Choose Us?

- **Proven Expertise:** 30+ years providing end-to-end Apron and Tower Automation Solutions.
- **Advanced Solutions:** Highly deployable Integrated Controller Working Positions and digital tower systems.
- **Customer-Centric Approach:** Flexible, scalable solutions tailored to every airport size, backed by exceptional service and certification compliance.
- **Innovation:** Superior surveillance, cutting-edge tracking tools, and HMI designed by controllers for controllers.

FACTS AND FIGURES

ABOUT ADB SAFEGATE

- First ASMGCS. The worldwide first ASMGCS has been successfully commissioned by ADB SAFEGATE in 1998 at Oslo Airport, Norway.
- Over 80 site installations. Proven track record of providing sophisticated tower solutions at some of the world's most challenging airports across Europe, Asia, and the Middle East.
- 30 years domain expertise. Almost three decades of vast experience in deploying modular Apron and Tower Automation Systems. Designed by Controllers for Controllers.

170
Countries

2700
Airports

1700
Employees

100+
Years of
Experience

We support Tower solutions at more than 80 airports around the world. Notable references include:



Austria

- Vienna Airport
- Graz Airport
- Klagenfurt Airport
- Linz Airport
- Innsbruck Airport
- Salzburg Airport
- MoD Airbases

Switzerland

- Geneva Airport

Germany

- Frankfurt Airport
- Munich Airport
- Hamburg Airport
- Nuremberg Airport
- Hannover Airport
- Düsseldorf Airport
- Berlin Airport

Romania

- Bucharest Airport

UK

- East Midlands Airport
- Leeds Airport
- Glasgow Airport
- Prestwick Airport
- Birmingham Airport

Indonesia

- Jakarta Airport

United Arab Emirates

- Abu Dhabi Airport

Pakistan

- Lahore International Airport

Portugal

- Lisbon Airport
- Porto Airport

Estonia

- Tallinn Airport
- MoD Airbase

Albania

- Tirana International Airport

Nepal

- Gautam Buddha Airport
- Pokhara Domestic Airport
- Tribhuvan International Airport (Kathmandu)

South Korea

- Yang Yang Airport

Kuwait

- Kuwait International Airport

United States

- New York JFK

Vietnam

- Long Thanh International Airport

Colombia

- El Dorado International Airport (Bogota)

Contact us

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