

SITA

TAKE AIRSIDE
OPERATIONS TO
NEW HEIGHTS

SITA Airside Optimizer





MICROSERVICES.
MASSIVE IMPACT.

Turn real-time data into real results.

Airports run on precision. Every second, every movement, every decision impacts efficiency, costs, and sustainability. **SITA Airside Optimizer** leverages existing data to deliver real-time insights, empowering airports to move faster, cut waste, and optimize every stage of the aircraft journey.

Built on a **flexible, cloud-first framework**, Airside Optimizer delivers Airport Collaborative Decision-Making (A-CDM) through **modular, scalable microservices**. From taxi time analytics to departure sequencing and emissions tracking, you subscribe to only the services you need and scale effortlessly as you grow.

SITA Airside Optimizer is airside management made easy. Designed for **airports of all sizes**, it ensures you improve efficiency, stay on schedule, and see results straightaway.



A - CDM FOR EVERYONE.





05 SITA Airside Optimizer

Better Collaboration. Better Results.

Many airports assume **Airport Collaborative Decision-Making (A-CDM)** is only for large hubs. **SITA Airside Optimizer changes the game.** By breaking A-CDM into modular, value-driven microservices, SITA makes it accessible to airports of all sizes.

With its **intuitive core portal and integrated platform**, Airside Optimizer enables real-time data sharing across all airport stakeholders – including airlines, ATC, and ground handlers – ensuring smooth collaboration and fewer disruptions.

With a simple **pay-per-service subscription model**, airports can scale their capabilities without investing in a full-scale implementation. **No unnecessary complexity. No wasted investment.**

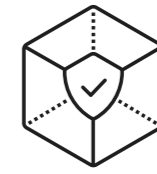
FAST . FLEXIBLE . FUTURE - READY .

SITA Airside Optimizer is designed for **rapid deployment and seamless scalability** – whether you're optimizing a single process or transforming your entire airside operation.



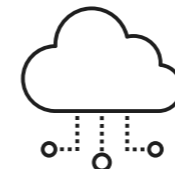
Deploy in under 20 minutes

Stand up an instance in just 20 minutes – far faster than traditional systems – with minimal disruption.



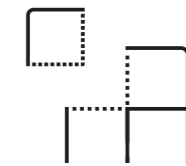
On-premises and hybrid options

No cloud? No worries. Flexible deployment tailored to your airport.



Cloud-first for agility

No costly infrastructure or hardware upgrades required.



Modular microservices

Pick the full package or start small, scaling effortlessly as your needs evolve.

CHOOSE YOUR MICROSERVICES. CHOOSE YOUR PRIORITIES.

We know that no two airports operate the same way. That's why SITA Airside Optimizer lets you customize your solution based on your operational goals.

From cutting costs or saving time to improving sustainability, you choose the modules to meet your unique needs.

Airside Real-Time Surface Map – Gain a live, interactive visualization of aircraft movements, providing instant insights into bottlenecks and inefficiencies.

Pre-Departure Sequencing (PDS) – Optimize pushbacks and departure flows to cut delays and improve on-time performance.

Departure Manager (DMAN) – Manage off-block sequencing to align with air traffic flow management requirements, reducing congestion and fuel waste.

De-icing Planner – Reduce bottlenecks with just-in-time de-icing scheduling, ensuring aircraft depart on schedule without unnecessary delays.

Taxi Time Analytics – Use machine learning to predict taxi durations and reduce wait times, preventing excessive fuel consumption and emissions.

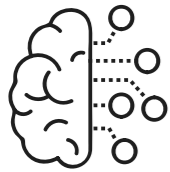
Airside Emissions Analytics – Identify and mitigate inefficiencies that increase fuel burn, helping airports meet sustainability targets with precision.

Runway Occupancy Insights – Maximize runway availability by analyzing patterns in aircraft movements, reducing delays and congestion.

WHAT CAN
SITA AIRSIDE
OPTIMIZER
DO FOR YOU?

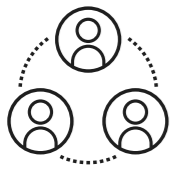


IMPROVE...



Operational Efficiency

Live data-driven insights enhance situational awareness to drive better strategic planning, maximize resource allocation, and improve overall airport performance.



Collaborative Decision-Making

Connect airlines, ATC, and ground teams with shared data to improve coordination, reduce inefficiencies, and enhance decision-making across all stakeholders.



Passenger Experience

Keep passengers happy and improve your airport's reputation for excellence by reducing delays, streamlining aircraft flow, and improving On-Time Performance (OTP).

REDUCE...



Time

Cut taxi times, optimize departure sequencing, and meet Target Take-Off Times (TTOT).



Costs

Lower operational expenses by optimizing resource usage, reducing fuel consumption, and automating processes to minimize staffing needs.



Emissions

Lower CO₂ output by reducing unnecessary taxiing and wait times, supporting sustainability goals.



SITA

Your world-leading partner

Smoother air travel every step of the way.

- Through information and communications technology, SITA helps to make end-to-end journeys easier for passengers – from pre-travel, check-in and baggage processing, to boarding, border control and inflight connectivity.
- We work with around 400 air transport industry members and 2,800 customers in over 200 countries and territories. Almost every airline and airport in the world does business with SITA.
- With a customer service team of over 2,000 people around the world, we invest significantly in achieving best-in-class customer service, providing 24/7 integrated local and global support for our services.
- Our customers include airlines, airports, GDSs and governments.
- Created and owned 100% by the industry, SITA is the community's dedicated partner for IT and communications, uniquely able to respond to community needs and issues.
- We provide services over the world's most extensive communications network. It's the vital asset that keeps the global air transport industry connected.
- Our annual Air Transport and Passenger. IT Insights reports for airlines, airports and passengers are industry-renowned, as is our Baggage IT Insights report.



Registered Office

SITA SC

2 Avenue des Olympiades
B-1140 Brussels
Belgium
Tel: +32 (0) 2 745 0517

Geographic Offices

Americas

600 Galleria Parkway SE Suite 1000
Atlanta GA 30339
United States of America
Tel: +1 770 850 4500

Asia Pacific

11 Loyang Way
Singapore 508723
Republic of Singapore
Tel: +65 6545 3711

Europe

26 Chemin de Joinville
B.P. 31, 1216 Cointrin
Geneva
Switzerland
Tel: +41 22 747 6111

Middle East & Africa

Holcom Building
Cornich Al Nahr
Beirut - Lebanon

[WWW . SITA . AERO](http://WWW.SITA.AERO)