

OPEN THE FOLD-OUT for more on how your airport can benefit.

Key performances	Benefits	Long term targets*	Impact on airports
Capacity	<ul style="list-style-type: none"> Increase of airport runway capacity Increase airspace capacity 	+20%	<ul style="list-style-type: none"> Additional flights and passengers Economies of scale
Environmental sustainability	<ul style="list-style-type: none"> Compliance with local environment rules 	100%	<ul style="list-style-type: none"> Better competitive position
(ATC) Cost effectiveness	<ul style="list-style-type: none"> Remote Tower concept for small airports 	-25%	<ul style="list-style-type: none"> Reduced cost of tower operations for small airports
Predictability	<ul style="list-style-type: none"> Reduction of block time variability Reduction in reactionary flight cancellations 	-96%	<ul style="list-style-type: none"> Operational efficiency (improved scheduling) Additional flights landing/taking off

*Source: European ATM Master Plan, ongoing work within the SESAR Programme

4 WAYS THAT SESAR CAN ADD VALUE TO AIRPORTS

The SESAR Research and Innovation (R&I) Programme is the technological pillar of the Single European Sky, which aims to modernise the European ATM system. It does so with a budget of 2.1 Billion euros (until 2016) and by pooling together the knowledge and resources of the entire ATM community, through a public-private partnership, the SESAR Joint Undertaking. SESAR contributes to the objectives of the Single European Sky, which aims to increase capacity by three-fold, improve safety by a factor of 10, reduce the environmental impact per flight by 10%, and cut ATM costs by 50%. In a relatively short space of time, SESAR members have succeeded in clearly defining a comprehensive ATM research programme and building a robust and effective sector-wide partnership. Since then, high-performance technological and operational solutions are being made available for deployment in response to the sector's needs.

WHAT IS SESAR?

The challenges our embattled industry has faced over the past 5 years have rendered the search for efficiency gains, all the more urgent. Every flight begins at the airport and with the traffic growth predicted for the coming 20 years, airports need to optimise their operations and earn their license to grow. That's where SESAR can help. In a complex space like the airport, everything is connected and every communication and decision has a consequence. SESAR is working to empower airports as ground coordinators – an ambition shared by us at ACI EUROPE.

A number of our members have been early investors in SESAR, in the shape of SEAC (SESAR European Airport Consortium). Our own cooperation with SESAR is building on that work, developing new procedures and bringing new operational processes on stream which will optimise airport operations to the benefit of airlines and passengers today and tomorrow.



Olivier Jankev, Director General, ACI EUROPE

Airports and Air Traffic Management (ATM) have come a long way since the early days of ground infrastructure that served low powered, single-engine aircraft, with an ATM system based upon the use of flags and other visual aids. Both have evolved but while avionics made quantum leaps, the progress of ground technologies has been much slower. Closing the gap has been one of the main objectives of the SESAR (Single European Sky ATM Research) programme since it started in 2008.

The SESAR vision for airports has been to make them integral nodes of the air traffic world that can bring significant efficiencies to ATM. Over the course of the last six years, that vision is gradually becoming a reality thanks to the strong support and involvement of ACI EUROPE, as well as the SESAR European Airports Consortium (SEAC).

This team spirit is the motor that drives the operational and technological changes that SESAR is developing. Together, we are delivering ATM solutions that will ensure greater operational ATM efficiency and smoother, sustainable air travel for all.



Florian Guillemet, Executive Director, SESAR Joint Undertaking

ACI EUROPE & SESAR WORKING TOGETHER

Building upon the commitment of the Single European Airports Consortium, (SEAC, an established member of SESAR), ACI EUROPE - the voice of Europe's Airports is working with SESAR to engage its technical expertise in the programme in order to modernise the European sky together. This expertise has been critically important in the validation exercises for assessing SESAR technologies at European airports.

The SESAR Programme requires a consistent team effort on the part of its stakeholders to create the conditions of sustainable growth in the air transport sector. It is the opportunity for **your airport** to get involved in developing the ways and means by which airports can become a more efficient, more empowered player in the aviation supply chain.

PARTNERING FOR SMARTER AVIATION

TO FIND OUT MORE, CONTACT

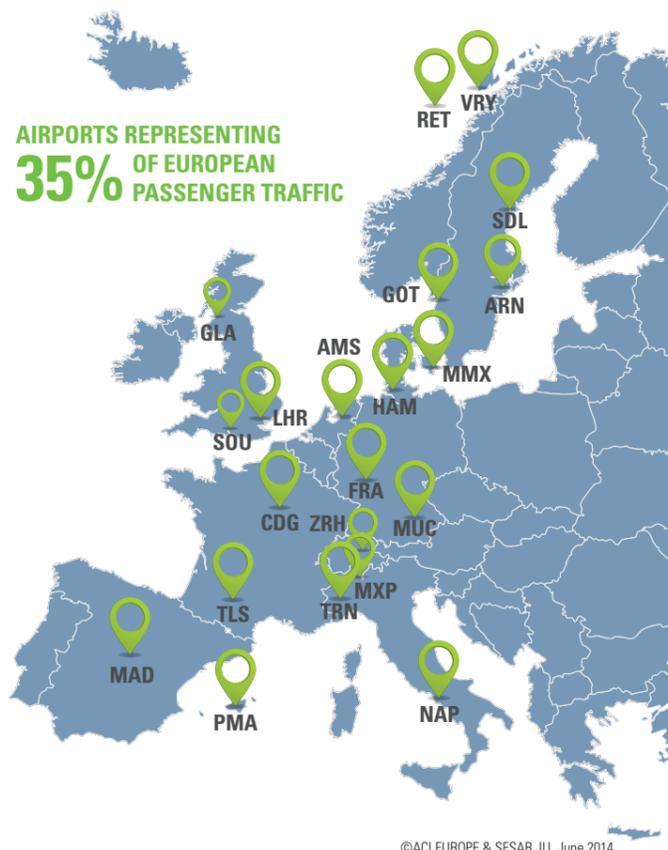
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AIRPORTS ALREADY ENGAGED IN SESAR



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SESAR FUTURE-PROOFING YOUR AIRPORT

- FROM INNOVATION TO SOLUTION
- ✓ Reducing holding times & emissions
 - ✓ Improving coordination
 - ✓ Enabling smoother traffic flow
 - ✓ Achieving better predictability
 - ✓ Optimising capacity
 - ✓ Being better prepared for crises
 - ✓ Delivering better service to passengers

WHAT BENEFITS DOES SESAR BRING TO AIRPORTS?

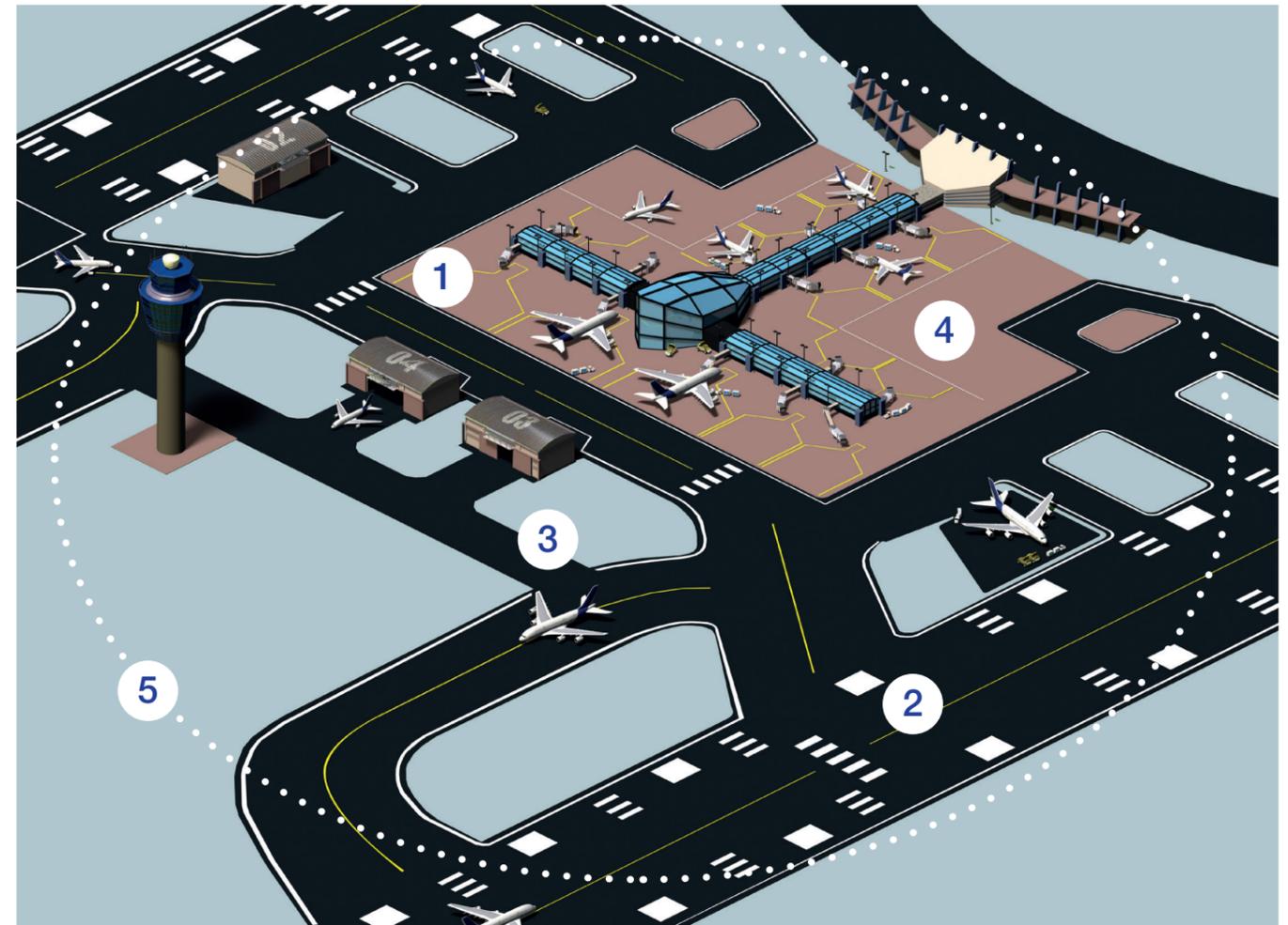


Every airport is different and can face a wide range of environmental, local, operational and regulatory circumstances. With the broad range of benefits stemming from involvement in SESAR, there is an opportunity **TODAY** to resolve some key operational challenges and help prepare your airport for the future.

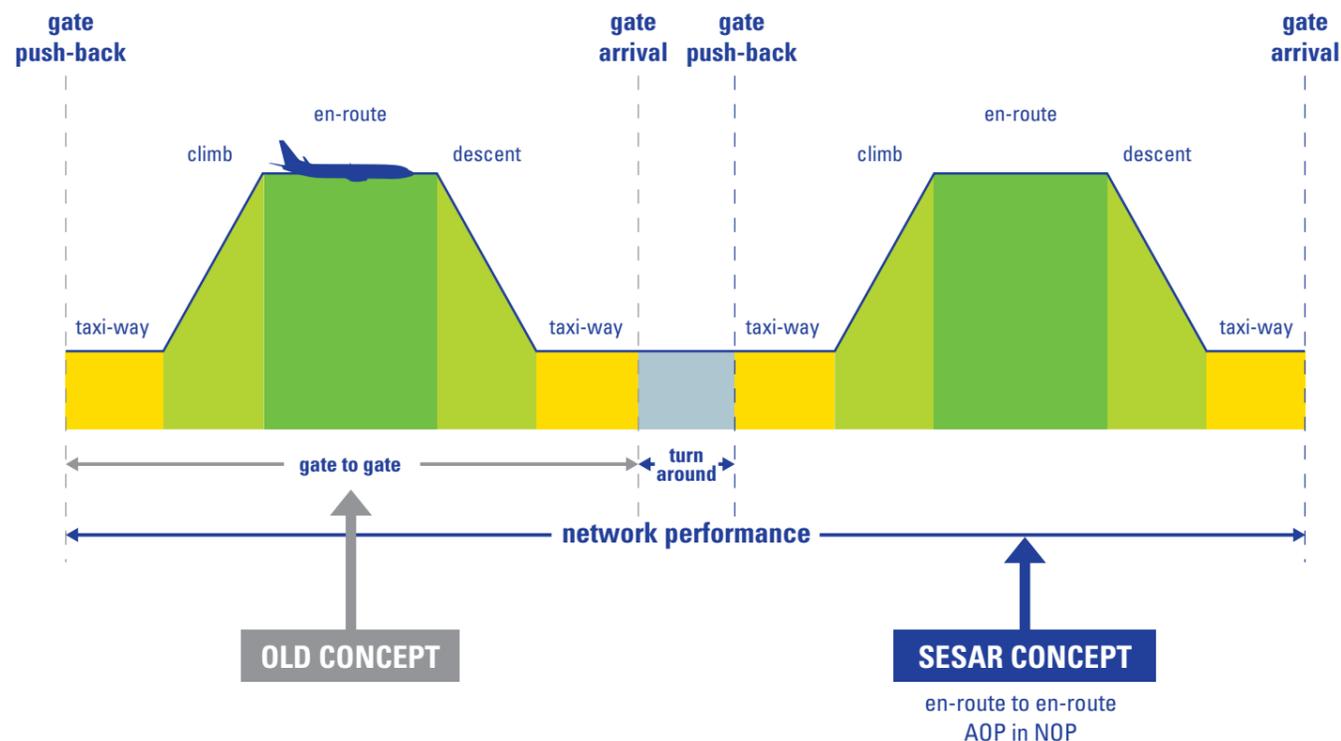
Airports involved in SESAR will see a full return on investment over time through maximised airport capacity, state-of-the-art technology and operational practices, lower regulatory risk, better relations with airline partners and happier passengers. All in all, sustainable growth prospects for a better **TOMORROW**.

“Naples Airport plays a vital economic and social role for its community. Our participation in SESAR is part of our ambition to make the most of our facilities and maintain our competitiveness. Running an efficient, fully optimised airport is part of our ambition to be the best airport we can be and SESAR will help us achieve that.”

Armando Brunini, CEO, Aeroporto Internazionale di Napoli



FOCUS ON INTEGRATING AIRPORTS INTO THE ATM NETWORK



TOP 5 TECHNOLOGIES TO PREPARE YOUR AIRPORT FOR THE FUTURE

- 1 New airport operations plan (AOP) and airport operations centre (APOC).
- 2 System Wide Information Management – be connected to the full ATM network.
- 3 Safety nets, new technologies and procedures to improve safety.
- 4 New operational procedures, for example, for time-based separation of traffic.
- 5 Remote Towers & Remote Contingency Towers - offering safety, operational and cost efficiency gains.

TOP 5 BENEFITS FOR YOUR AIRPORT

- ✓ Better plan current air traffic to improve overall airport operational performance.
- ✓ Increase airport capacity utilisation at your airport, to better accommodate traffic growth.
- ✓ Maintenance and improvement of high safety standards while traffic & passengers increase.
- ✓ Increased predictability, providing better time management for airport operations and passengers.
- ✓ Greener operations, positive impact for community in terms of noise, air & ground.

“Aéroports de Paris operates two of Europe’s busiest airports. Our investment in SESAR is about contributing to a better future for European aviation and making the most of our facilities through efficiencies gained in predictability, punctuality and real time collaboration.”

Augustin de Romanet, President & CEO, Aéroports de Paris