

AIRPORT EXPERIENCE

TRANSFORM YOUR AIRPORT'S BUSINESS AND OPERATIONS USING THE VIRTUAL WORLD



HOW TO GO BEYOND EXISTING AIRPORT INFRASTRUCTURES

With the need to foster sustainable travels, airports must rethink their operational model. They need to adopt new ways of thinking regarding planning, design, construction, maintenance and operation in order to deliver exceptional passenger experience across every touchpoint. They must achieve operational excellence without sacrificing the passenger experience.

Airport Experience is an integrated solution powered by the **3DEXPERIENCE®** platform, allowing you to create a virtual twin experience that provides insights into your airport operations, infrastructure and passenger experience. It also helps you build the airport of the future with confidence. Digital airports are the next evolution and the foundations for creating agile, smart and sustainable airports of the future.

Airport Experience opens up endless possibilities to future-proof the airport through outcomes planning by simulating “What-if” scenarios. Airport operators are able to explore contingency strategies and solve operational problems before it becomes real. **Airport Experience** also improves situational awareness and predictability for effective collaboration, planning and decision-making. It helps understand the “as-is” and plans for the future to raise productivity and operational efficiency, thus enhancing passenger experience while reducing operating and capital expenditures.



Visibility Among All Involved Stakeholders

With the large number of stakeholders involved in airport operations and management, it is challenging to have clear visibility among all the actors involved and all their actions. It becomes more and more critical to have efficient and transparent collaboration between all stakeholders. **Airport Experience** offers real-time collaboration by synchronizing all stakeholder information in a single source of truth. It provides the capability to fully understand an airport ecosystem which is crucial in decision making for better operations management.

Flexibility and Predictability with Unexpected Situations

Looking to the future, airports must assess their overall experience and rethink their operational models to keep costs down. Indeed, airport capacity is at a premium and passenger volume is growing — demand can only be met by upgrading existing facilities and optimizing operations. The use of integrated intelligent automated technologies to build new terminals and/or airports will increase capacity or leverage smarter facilities management. Thus, airports must create a seamless passenger experience and adapt for greater flexibility, creativity and faster decision-making. **Airport Experience** creates the virtual twin experience of an airport, enabling a holistic view on improving real-time airport operations and understanding how those adjustments will improve efficiency, effectiveness and agility. **Airport Experience** helps the growth of airports activities by providing more connected and integrated solutions to help operators make fast and informed decisions.

Comply with Expectations Through a Quality Data-driven Approach

Passengers have growing expectations and needs in terms of service quality but also for their safety. Airports have to meet and exceed passenger expectations while complying with various authorities to guarantee passengers' safety on every operational level. Thus, terminals must be designed to function more efficiently and serve travelers more effectively. This requires airport terminals to be optimized in their design and performance as well as integrated as seamlessly as possible with the processes that are carried out in the day-to-day functions of the terminal. **Airport Experience** ensures full alignment between functional design and operational requirements by giving the opportunity to build a collaborative design environment. The solution federates all data from various suppliers and generates a master referential structure, allowing the airport to test and validate design quality. As regulations may change, **Airport Experience** provides the ability to quickly adjust the impacted processes to ensure compliancy with regulation authorities.

KEY BENEFITS

- Optimize airport operations by increasing airport knowledge with virtual twin experience to improve passenger experience
- Improve reactions on maintenance and operation actions with a data-driven approach and real-time processes
- Reduce operations costs by creating efficient and effective designs for airports and terminals operations

For more information on Airport Experience, visit [our website](#).

Our 3DEXPERIENCE® platform powers our brand applications, serving 11 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the 3DEXPERIENCE Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating 'virtual experience twins' of the real world with our 3DEXPERIENCE platform and applications, our customers push the boundaries of innovation, learning and production.

Dassault Systèmes' 20,000 employees are bringing value to more than 270,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit www.3ds.com.

