

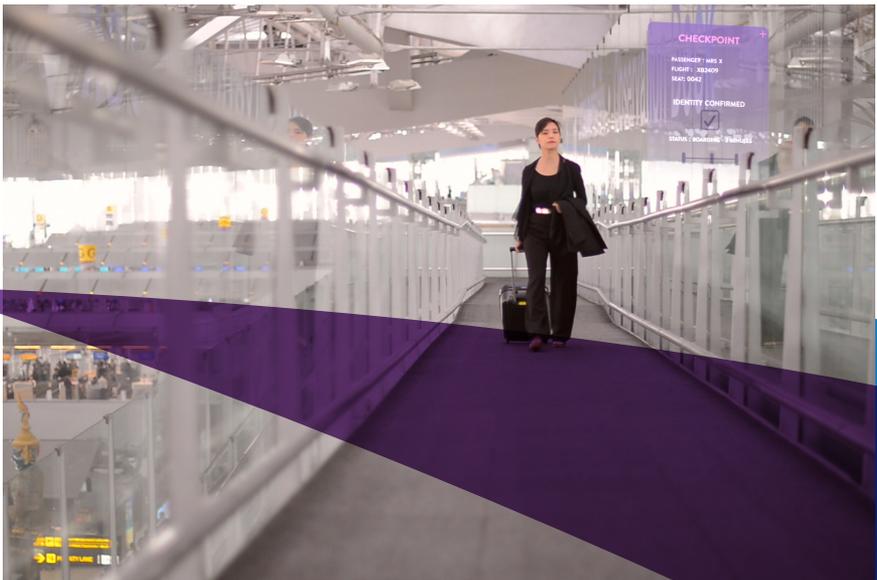


## NEW EXPERIENCE TRAVEL TECHNOLOGIES

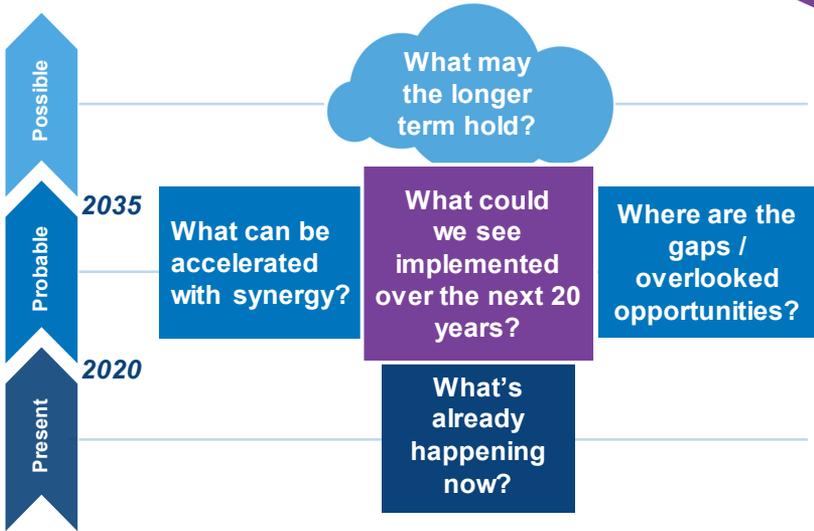
# NEXTT

## LET'S BUILD THE JOURNEY OF THE FUTURE.

NEXTT, a joint initiative by IATA and ACI, creates a common vision for the future air travel journey. The vision of NEXTT is to **improve and streamline travel journey elements** at the airport and beyond – by means of coordinating the adoption of **new and emerging technologies**. This shared vision examines the elements that will likely transform the complete end-to-end journey over the next 20 years.



# WHAT NEXTTT COVERS



A key opportunity is to bring together and coordinate the wide range of IATA and ACI initiatives which already have an impact on the airport space – currently these are considered under the following different areas which support three emerging concepts.

## **Airport Infrastructure Design**

**Security**

**Passenger**

**Cargo**

**Ground Operations**

## **Baggage**

**Financial Systems**

**Information and Technology**

**Safety and Flight Operations**

**Environment**



**Exploring  
off-airport activities**



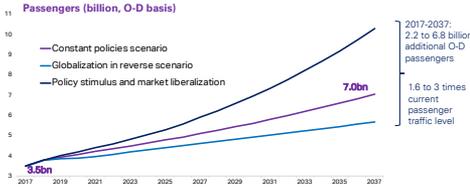
**Using advanced  
processing technology**



**Harnessing  
interactive  
decision-making**

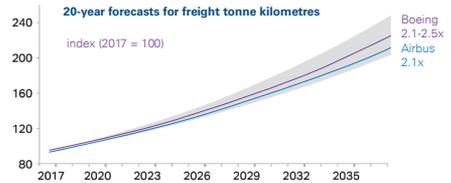
# THE CASE FOR CHANGE

## Demand for air travel to double in the next 20 years



\*Source: IATA Economics / Tourism Economics

## The same doubling is expected for cargo



If the industry approach remains fundamentally the same as today, capacity will not match the predicted pace of growth highlighting the need for a unified approach to airport infrastructure and operational efficiency improvements.

Ensuring that all who need and wish to travel can do so, and that goods are delivered faster and with greater predictability, requires industry transformation which makes best use of New Experience Travel Technologies (NEXTT). Providing an integrated strategy through our NEXTT vision, we are investigating how to accommodate growth while providing a seamless end-to-end journey for our primary customers—passengers and cargo shippers.

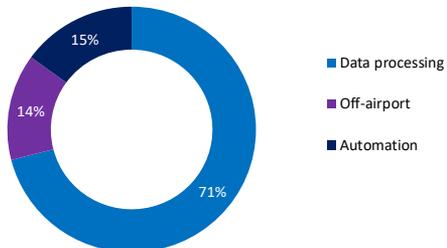
According to a preliminary cost-benefit analysis, large-scale implementation of the components within the NEXTT initiative has the potential to result in a significant reduction in requirements for airport infrastructure investment and result in tangible cost savings for all stakeholders.

Improved data processing is the key driver expected to deliver the most long-term economic value from NEXTT, yielding approximately 71% of the overall benefits.

Conservative estimates demonstrate that a further 15% of benefits can be captured from automation, and 14% from off-airport activities.



## Data processing unlocks the full benefits



# COMPELLING CASE FOR TRANSFORMATION



- ▶ Benefits in excess of an uncoordinated, disparate approach
- ▶ All key stakeholders can realize significant benefits



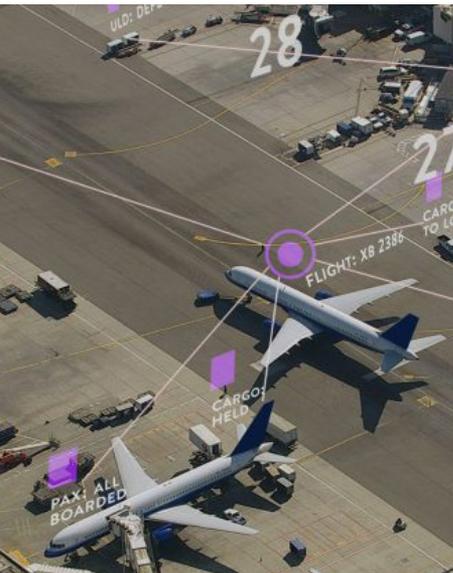
- ▶ Tangible reduction in additional terminal investments
- ▶ An increased capacity of existing infrastructure



- ▶ Creates an essential need for a collective approach
- ▶ Common nomenclature required
- ▶ Interoperability essential

## UNLOCKING CAPACITY OF EXISTING INFRASTRUCTURE

The efficiencies gained through implementing technologies and processes in the NEXTT vision should allow for a tangible reduction in airport infrastructure spending required to meet the baseline forecast demand. This equates to a better capacity utilization of existing infrastructure. Reduction of additional infrastructure costs can be achieved due to improved data processing and automation measures. Implementation of the NEXTT vision can result in increasing the throughput of passengers, baggage and cargo, and therefore, save space and reduce the need for infrastructure expansion.



## IMPORTANCE OF A COORDINATED APPROACH

Technologies and processes in the NEXTT vision create an opportunity for a significant change in operational performance and systemic optimization that will bring significant economic advantages to the global aviation sector. Additionally, NEXTT will also create a disruptive 'technology economy' that may lead to the evolution of new business models and aviation-sector companies.

The industry needs to consider how it might exploit these opportunities. Without a central, coordinated vision, the benefits will not be realized at scale and may be fragmented. The delivery of coordinated technology systems at a global scale will unlock benefits significantly in excess of an isolated approach.