



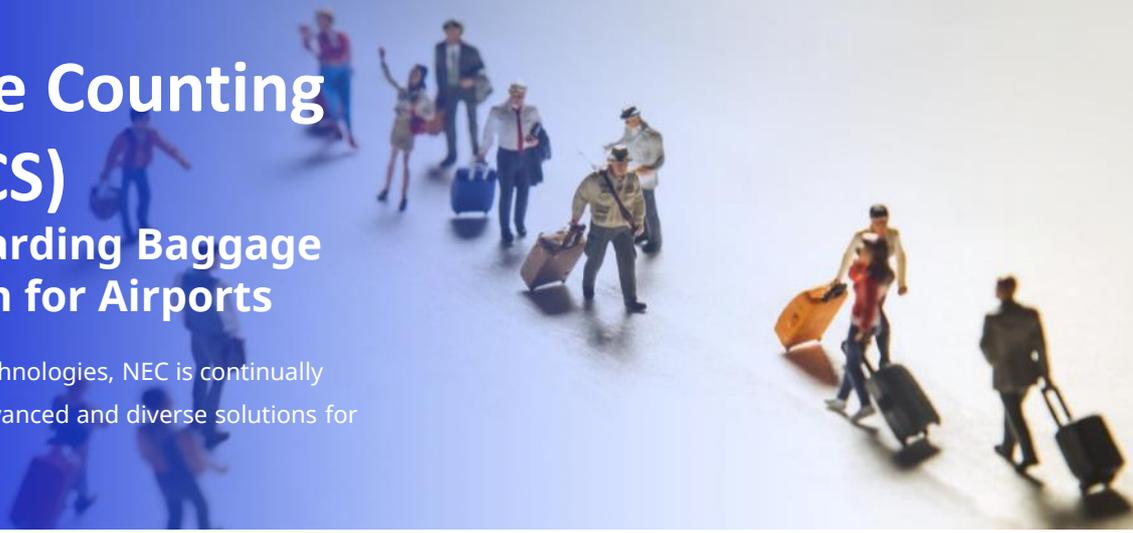
NEC BAGGAGE COUNTING SOLUTION (BCS)

Pioneering AI Boarding Baggage Counting Solution for Airports

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Through its world-leading AI technologies, NEC is continually pursuing the evolution of its advanced and diverse solutions for airport operations and safety.



Solution At A Glance

NEC pioneers to introduce an AI powered NEC Baggage Counting Solution (BCS), which is a robust and effective solution to enable airport authorities and airlines to automatically count and estimate the total volume of the hand carry baggage prior to passenger boarding.

The System will detect and identify hand-carried baggage during screening. If the number reaches a predefined threshold, it will alert the agent for timely action to ensure flight safety and comfort.

NEC's advanced AI technologies and Interference Data Model enable intelligent real-time image analysis and accurate information dissemination. As air travel surges, the aviation industry must adopt new technologies to streamline the pre-boarding process. Automating baggage counting will enhance convenience for both operators and passengers.

Solution Benefits



Enhanced Operations

Automate baggage counting to eliminate bottlenecks, ensuring fast, reliable, and accurate operations that boost efficiency



Manpower Saving

Save the manpower of manual baggage counting for offering more value-added services for passengers



Flight Safety & Comfort

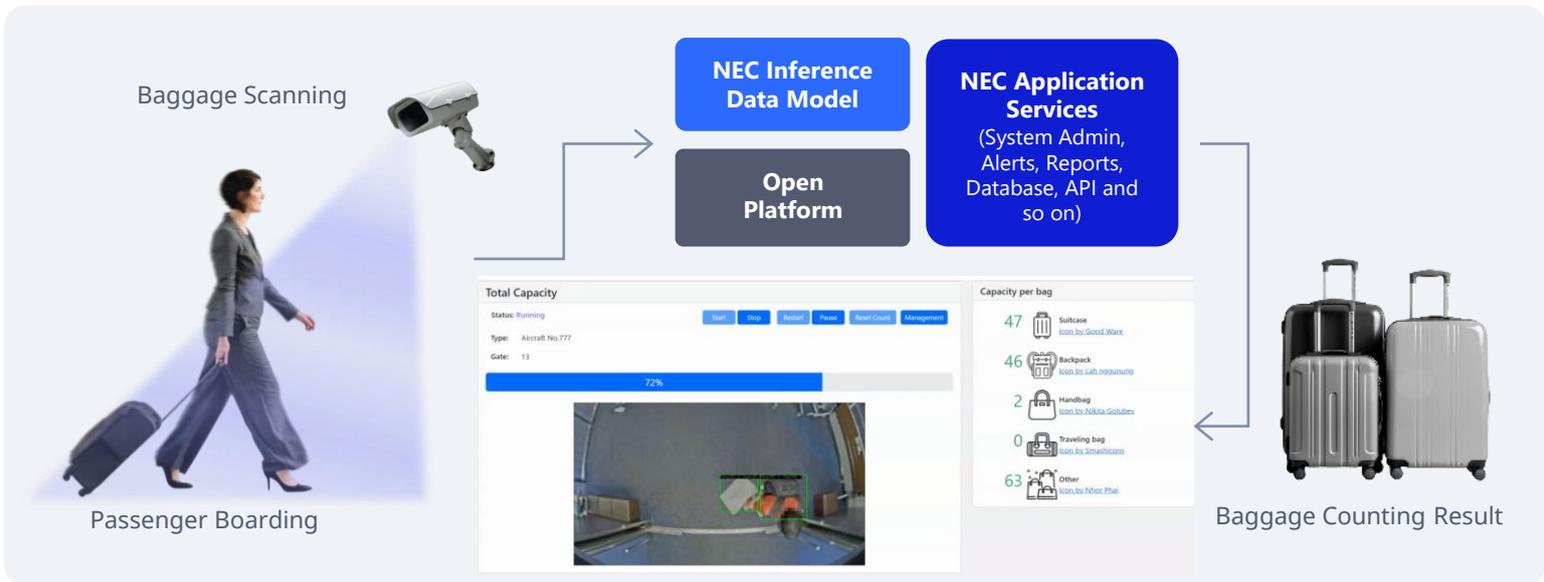
Effective detection and identification of cases for load control vital to flight safety and comfort



Seamless Journey

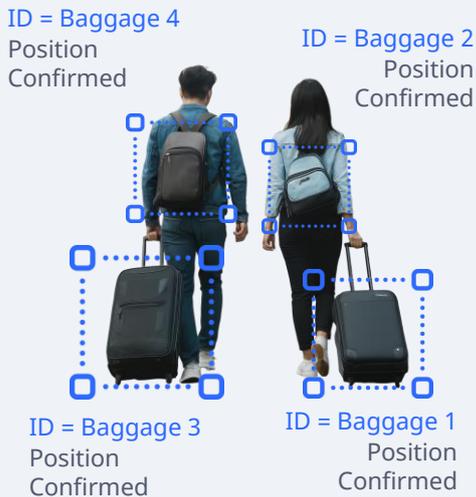
Efficient boarding to enhance convenience for the passengers resulting in higher customer satisfaction

Solution Overview



Process Flow

Baggage Scanning



Classification & Count Up

Estimated Total Volume

Class	Number	Average Size
	35X	L: 40cm H: 55cm W: 23cm
	20X	L: 30cm H: 44cm W: 18cm
	45X	L: 20cm H: 33cm W: 15cm

Matching & Alert



Why NEC BCS



Continuous Innovation in AI

Decades of experience in Machine & Deep Learning research, diversified and flexible applications



Proven Expertise & Experience

Our team has enterprise, government and aviation-specific experience, trusted partner



High Flexibility & Adaptability

BCS offers flexible infrastructure, allowing to use cloud or on-premise approach



Easy Integration

BCS easily integrates with the existing systems of airports of all sizes

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