

Initiatives & Innovations of Narita International Airport

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Narita Airport

Connecting Japan to the World

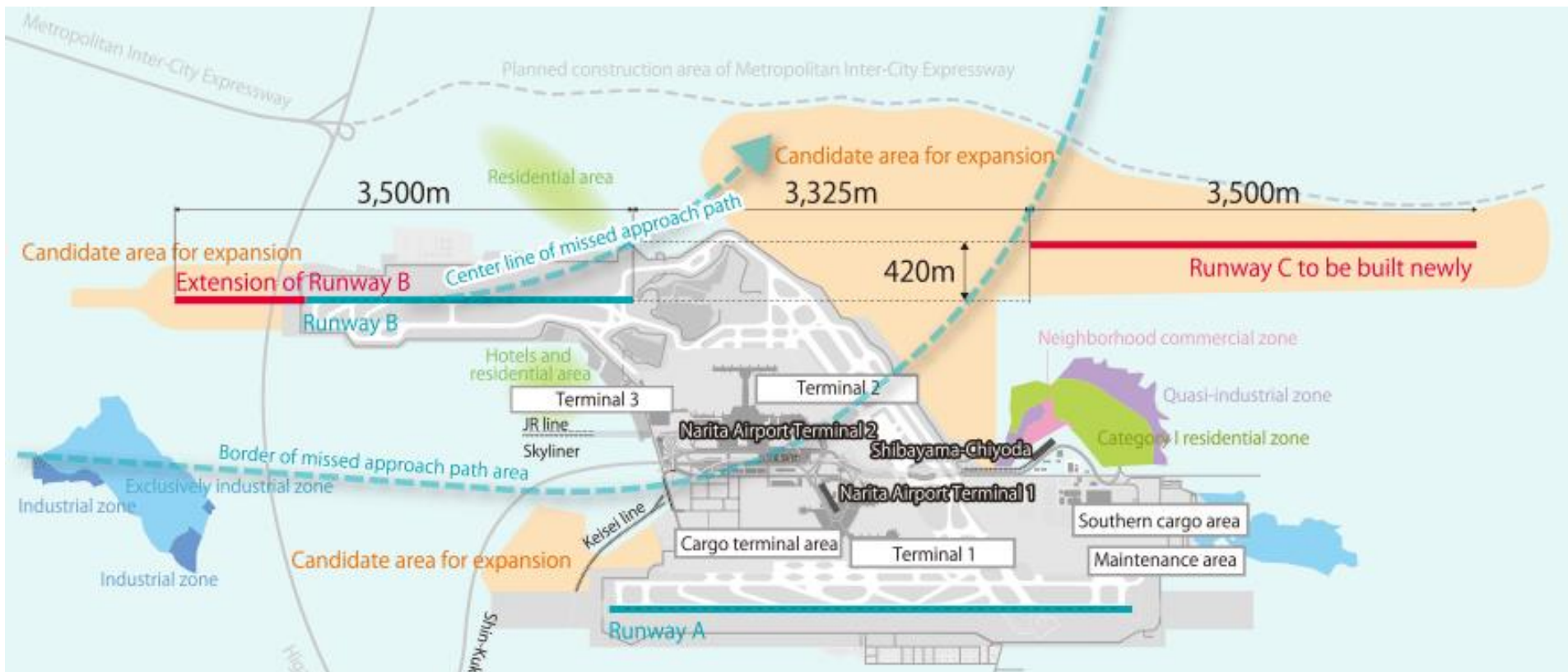
- ◆ Overview of Narita Airport
- ◆ Recent Initiatives & Innovations
- ◆ Overseas Business

◆ Overview of Narita Airport

◆ Recent Initiatives & Innovations

◆ Overseas Business - TMAI

Major Facilities



Site Area	1,198ha	Passenger Handling Capacity	Terminal 1	25 million
Runways	Runway A : 4,000m×60m		Terminal 2	17 million
	Runway B : 2,500m×60m		Terminal 3	15 million
Aprons	Approx. 261 ha	Pipeline Length	47 km	
No. of Stands	201	Tank Capacity	296,000kl	
BHS Length	26.5 km	Cargo Capacity	2.4 million tons	
Operating Hours	24 hours [Operation restricted between 00:00 and 06:00]			

Ongoing Capacity Enhancement

Capacity Enhancement Project;

- ✓ Construction of Runway C
- ✓ Extension of Runway B



To be completed by March 2029

Annual Slot Capacity

300,000 slots



500,000 slots

Runways

2 runways
(4,000m×1 & 2,500m×1)



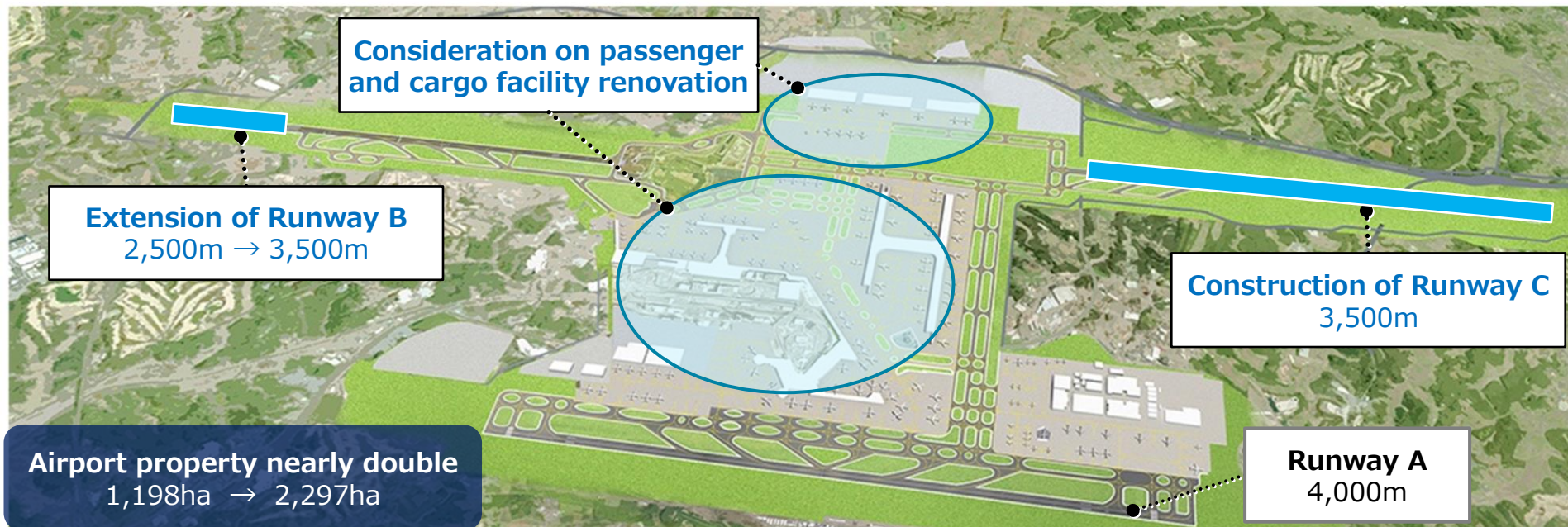
3 runways
(4,000m×1 & 3,500m×2)

Operating Hours

6 AM to 0:00



5 AM to 0:30AM



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Sustainability - “Sustainable NRT 2050”

FY 2030 Targets (Mid-Term)

- NAA Group will reduce its CO₂ by 30% compared to fiscal 2015.
- We will aim to reduce Narita Airport's CO₂ emissions per flight by 30% compared to fiscal 2015.
- We have set out our “Next Actions” for NAA to further reduce CO₂.
- Our Functionality Enhancement at Narita Airport will continue to promote initiatives to reduce environmental impact.



FY 2050 Targets (Long-Term)

- NAA Group will achieve net zero corporate CO₂ emissions.
- We will aim to reduce Narita Airport's CO₂ emissions by 50% compared to fiscal 2015.



https://www.naa.jp/en/environment/ea_vision.html

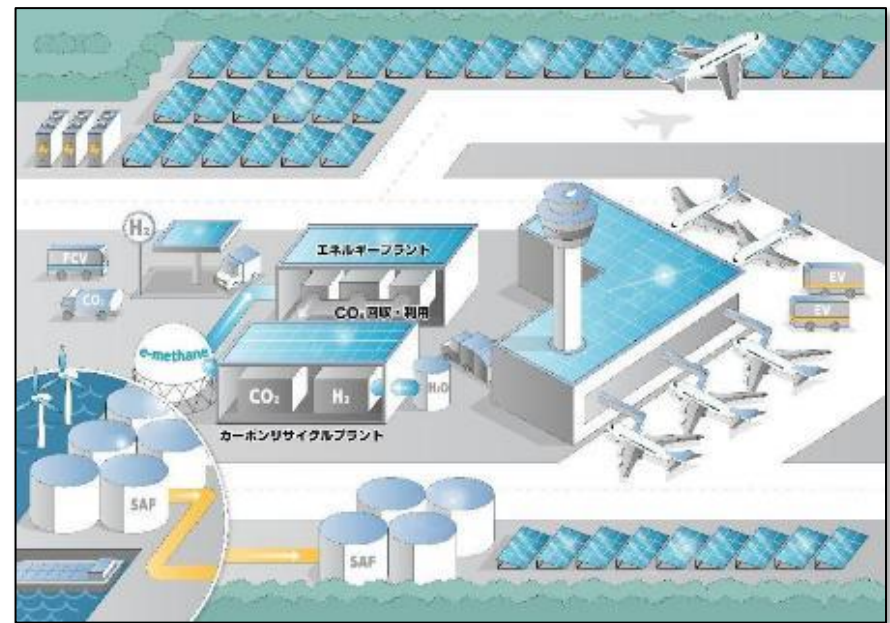
Decarbonization - "Green Energy Frontier"

- ◆ A new **energy supply company was established** with Tokyo Gas Co., Ltd in April 2023.



Green Energy Frontier

- ✓ Taking on challenge of decarbonizing energy supplies to the airport by 2050.
- ✓ New **180 MW solar power generation plant**, the largest airport plant in the world.
- ✓ Improving energy efficiency and steadily reducing carbon emissions by introducing more advanced management.



Passenger Experience - "Japan Food Hall"

- ◆ A new **restaurant floor with ten restaurants offering a taste of "Japan"** was open on the After-Passport Control area in Terminal 2 in September 2023.



- ✓ "**Japanese Modern**" design concept with a **panoramic view** of aircraft parked and moving on the apron.

- ✓ The first airport in Japan with **terrace seating** on the After-Passport Control.



Press Release →

Skytrax World Airport Rating 2023

- 5 Star Airport -



APAC Airport Pioneer Awards 2023

- Outstanding Achievement -

At the FTE APEX Asia Expo 2023, NAA won this award for introducing the first biometric boarding system in Japan and positively utilizing robots, AI, and other cutting-edge technologies.

**FUTURE
TRAVEL
EXPERIENCE**



Jesse Jalleh, Director Travel Experience, Star Alliance; Kazumi Hiraoka, General Manager of DX Development & Planning Department, Narita International Airport Corporation; and Daniel Coleman, Founder & CEO, Future Travel Experience.

Photo Courtesy of Future Travel Experience

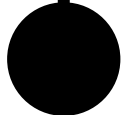


SMART Airport

- ✓ **Fast Travel**
- ✓ **Face Express (One ID)**
- ✓ **Automation**



2017 -
Self Bag Drop &
Smart Security



2021.07

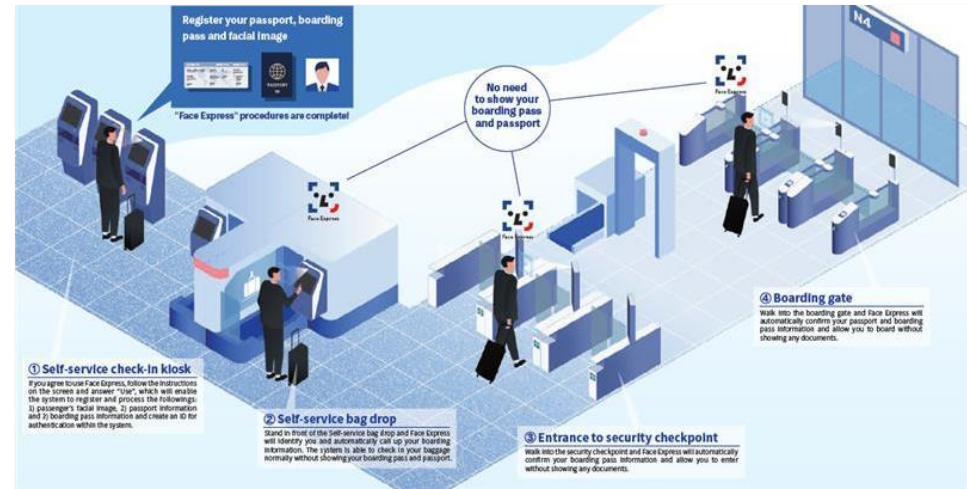


Face Express

Face Express is the name of One ID



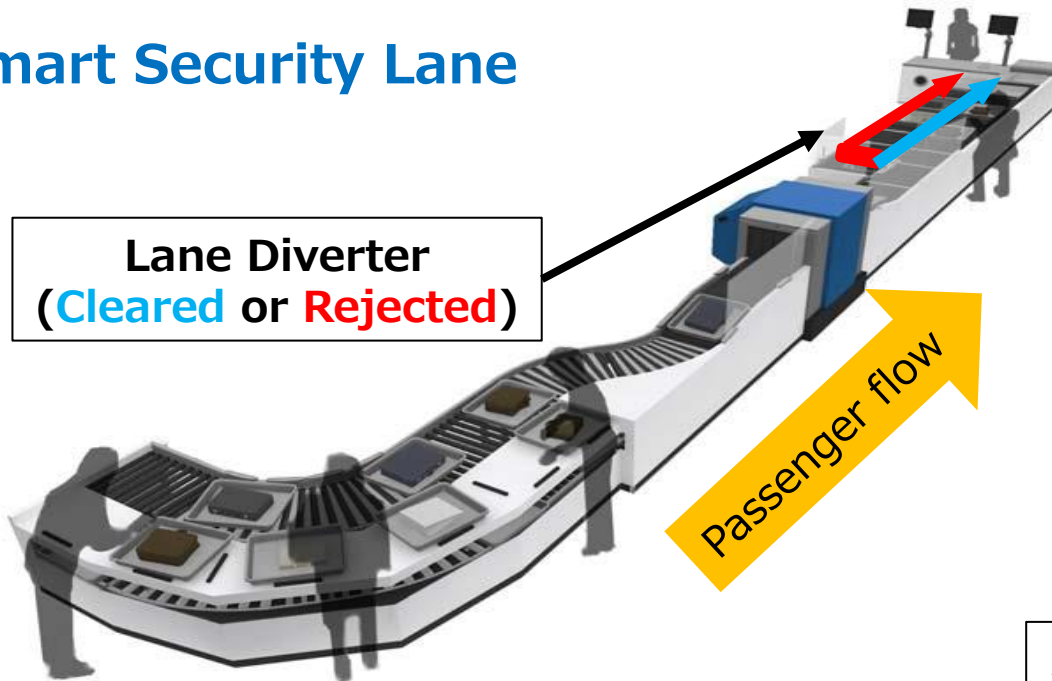
Participating airlines



Expansion of Security Checkpoints



Smart Security Lane



Body Scanner



Advanced Imaging Technology

Face Express - Easier & Faster Passenger Journey

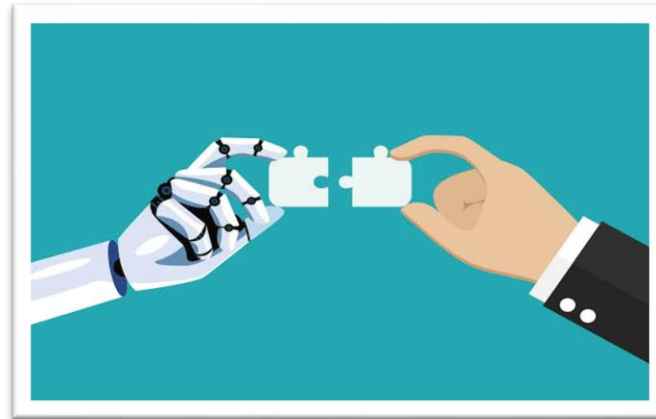
**Manual
ID check**

Facial recognition
technology

Face (token)
Efficient and strict
identification



Automation - Human & Technology Cooperation



Self-Driving Airside Terminal Shuttle Buses

- Since February 2022, NTT East, TIER IV, KDDI, and NAA have been jointly participating in a framework for a demonstration experiment for the introduction of automatic driving equivalent to a certain level in which **vehicles can be operated within a limited area without a driver.**
- The driverless buses use **local 5G for the remote monitoring communications system.**

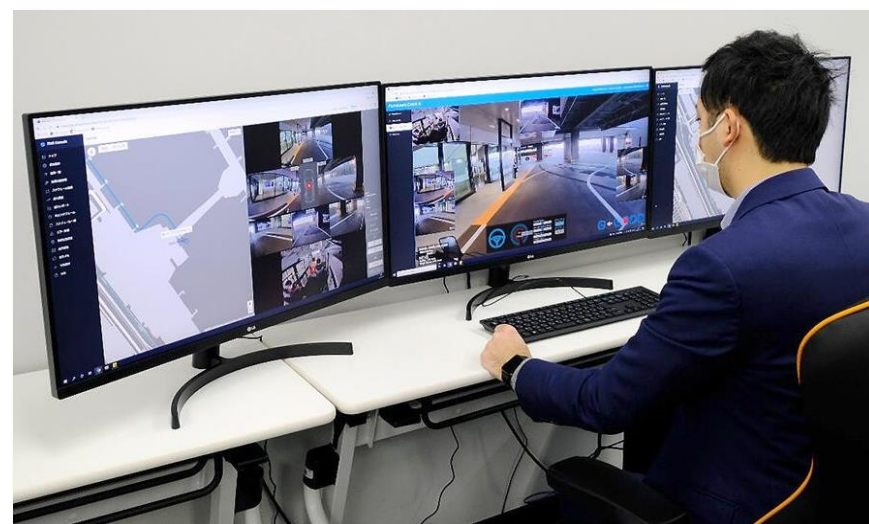
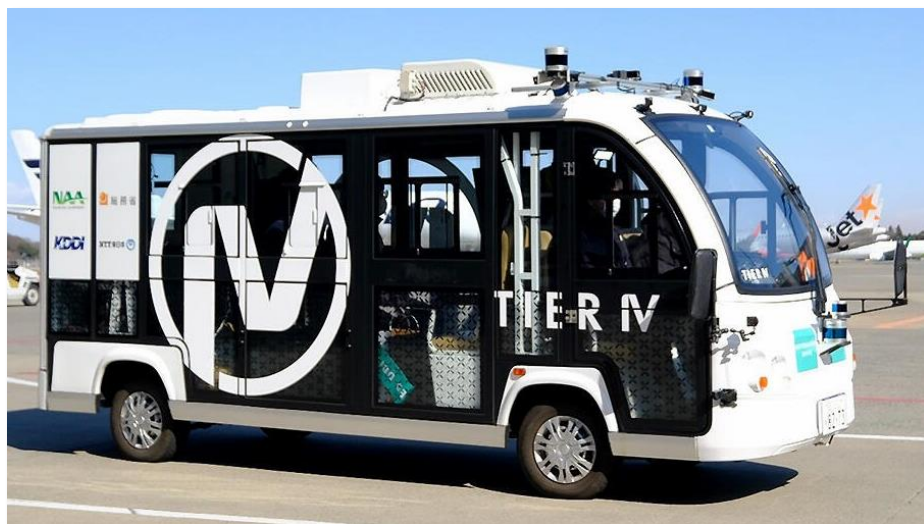
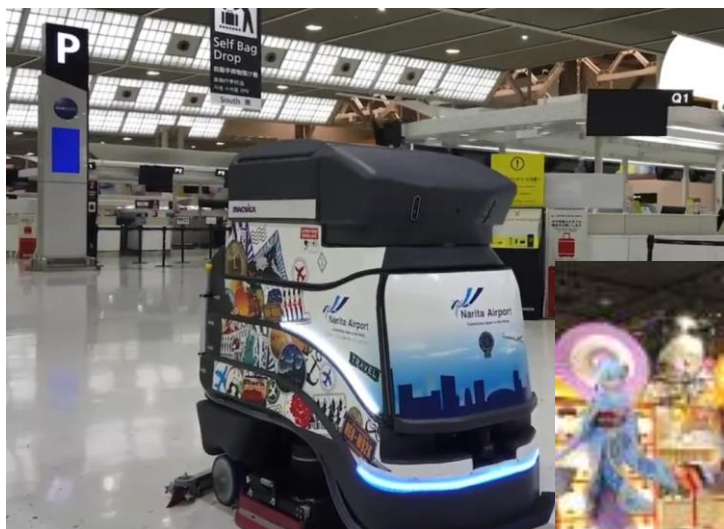


Photo Courtesy of TIER IV, Inc.

Security Robots and Cleaning Robots

- AI-based security robots and autonomous roving cleaning robots have been in operation since 2019 inside passenger terminals.
- These **robots help reduce the manpower** required for covering the huge passenger terminals to offer a safe, secure and comfortable airport to our customers at all times.



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Ulaanbaatar, Mongolia

- NAA, as one of the Japanese consortium members, concluded a 15-year concession agreement with New Ulaanbaatar Airport.
- NAA provided technical support for human resource development and establishing the ORAT plan.
(ORAT: Operational Readiness and Airport Transfer)
- NAA executed ORAT work for the service launch of the airport.
- In the 15 years concession agreement, NAA is currently in charge of the operation and engineering division.





Borg El Arab, Egypt

- Consulting services for Operation and Maintenance of the new passenger terminal at Borg El Arab International Airport.



Noi Bai, Vietnam

- Technical support for the start-up and commissioning of the new passenger terminal at Noi Bai International Airport.



Valuable Strategic Partnership with ACV



ACV, Vietnam

- Back in 2017, Airports Corporation of Vietnam (ACV) and NAA exchanged memorandums on an inter-airport agreement to strengthen the cooperative relationship.



TOKYO METROPOLITAN AIRPORTS INTERNATIONAL



Operators of Haneda Airport and Narita Airport, which together handle more than **127 million passengers** as the gateway to the Japanese metropolitan area, and JAC join forces **to pursue overseas business.**



Having over **70 years** experience **operating terminals** of Tokyo International Airport (Haneda).



Having over **45 years** experience **operating both airside and landside** of Narita international Airport.



Japan Airport Consultants, Inc.

Providing **airside facility-related works** and **master planning support services** for the two airports.

More info available from here ↓



<https://app.box.com/s/iz0gtd95se4y15zls9qqyjsz3erxu5uz>