

NARITA INTERNATIONAL AIRPORT ANTICIPATES THREATS WITH INTEGRATED SOLUTIONS

Collaborating to stay ahead of the curve and safeguard passenger health

Narita International Airport (NAA) is the largest airport in Japan serving the Tokyo metropolitan area¹. Prior to the pandemic, NAA handled over 40 million terminal passengers a year on average (from 2015 to 2019)².

With a forward-looking mindset that prioritizes staying ahead of the curve, NAA has worked with Smiths Detection since 2014 to raise security levels, add capabilities, and improve efficiency with a range of solutions across their terminals.

This meant that at the onset of the pandemic, NAA was well-equipped to tackle this unforeseen circumstance, working with Smiths Detection to swiftly secure their terminals to boost security and safeguard passenger health in anticipation of travel in the new norm.

KEY BENEFITS: NAA'S INTEGRATED SOLUTIONS



Increased passenger throughput



Fewer human touchpoints



Faster decision time



Lowered false alarm rate

FUTURE-PROOFING SECURITY CAPABILITIES AND SAFEGUARDING PUBLIC HEALTH

By 2019, NAA and Smiths Detection have deployed extensive solutions across all three terminals. These include fully integrated digital solutions including automatic detection and smart lanes for both checkpoint and hold baggage. The solutions ease traffic, and reduce passenger wait time and number of touch points, while reinforcing the security process:

- HI-SCAN 6040 CTiX, a computed tomography (CT) X-ray scanner producing high-resolution volumetric 3D images for quicker baggage assessment and low false-alarm rates. It allows electronics and liquids to remain in bags, speeding up passenger screening and reducing touchpoints.
- iLane.evo, an automated smart lane that helps keep trays and passengers moving, eliminate bottlenecks and streamline the screening process.
- The body scanner eqo, a body scanner which automatically detects contraband of concealed material and reduces the need for physical pat-downs.
- Checkpoint.Evo^{plus}, a centralised screening and operations management platform for faster decision making and critical performance insights.
- HI-SCAN 6040-2is, an advanced dual-view X-ray system for cabin baggage, shortening inspection time.

- CTX 9800 DSi, a CT-based Explosives Detection System (EDS) for screening of checked baggage which provides high-levels of detection and low false-alarm rates.
- IONSCAN 600 and IONSCAN 500DT are highly sensitive trace detectors for accurately detecting and identifying a wide range of military, commercial and homemade explosives threats and common illegal/controlled narcotics.
- HI-SCAN 100100T-2is provides dual-view screening for reliable inspection of tightly packed objects in a single process, shortening inspection time and increasing the effectiveness of the procedure.
- Multi-mode threat detector, a portable hand-held system for rapid detection and identification of over 40 types of chemical warfare agents, explosives and narcotics under 10 seconds.

For NAA, the health and protection of passengers and staff is top priority. Being the first airport in Japan to acquire the Airport Health Accreditation (AHA) implemented by the Airports Council International (ACI), NAA will also deploy 62 Ultraviolet (UV) light tray disinfection kits and 62 Sneeze Guards across all three terminals following a successful trial in April 2021. These are designed to enable easy integration into their existing smart lane solutions to mitigate the spread of infectious diseases.

The automatic UV light disinfection kits use short-wavelength UV light (UVC) to disinfect security trays. They are proven by independent laboratory tests to eliminate up to 99.9% of microorganisms – including coronavirus – protecting passengers and staff from tactile transmission. Commonly used for disinfection in healthcare and industrial production, UVC distorts the structure of viral particles' genetic material and prevents them from multiplying or infecting. The kits are shielded with robust metal housing to ensure that passengers and staff are not exposed to UV light.

The Sneeze Guard complements the UV disinfection kit. It acts as a physical barrier to minimise the risk of airborne transmission in areas where people



RELIABILITY IN A TIME OF UNCERTAINTY

Despite COVID-19 restrictions, Smiths Detection overcame obstacles to provide timely virtual consultations and installation services on the ground for NAA while ensuring safe management protocols for staff. This was particularly important during the UVC trial.

Though they met initial difficulties when installing the demo UVC unit, the teamwork between Smiths Detection's service engineers onsite and Smiths Detection's UK team providing remote support ensured a smooth delivery. With global support and expertise, the trial concluded successfully, demonstrating Smiths Detection's experience and dependability.

NAA is expecting to be fully equipped with the UV light tray disinfection kits across their three terminals by March 2022.

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We are pleased to work with a partner as reliable and experienced as Smiths Detection to meet the aviation industry's highest public health standards, ensuring the safety and security of passengers traveling through the airport. As we work towards fulfilling the deployment, we are confident that Narita Airport, together with Smiths Detection, will elevate our security to new heights and provide travellers a much-needed peace of mind in this uncertain time.

— Sho Kagawa,
AVSEC Senior Manager,
Narita International Airport

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For more information on our checkpoint solutions, scan the QR code here or visit: <https://www.smithsdetection.com/solution/checkpoint-solutions/>

¹ <https://centreforaviation.com/data/profiles/airports/tokyo-narita-airport-nrt>

² <https://www.statista.com/statistics/664100/japan-narita-airport-terminal-passengers/>