

MB Seamless Travel solutions including a “Smart Corridor”

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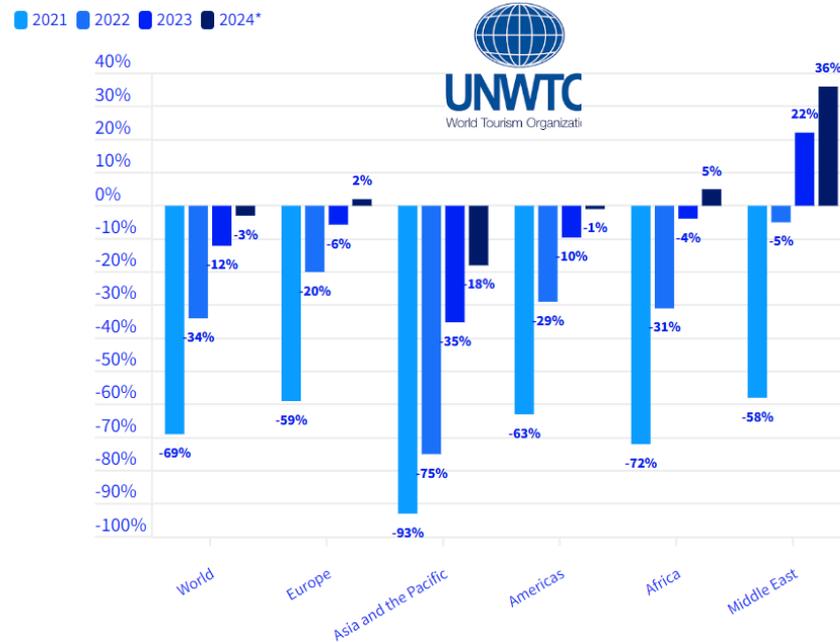
Process Overview





- Travel & Tourism recovery:
Reaching pre-pandemic in 2024
- USD1.4 trillion industry in 2023
- Are you prepared for the next wave?**

International Tourist Arrivals (% change over 2019)



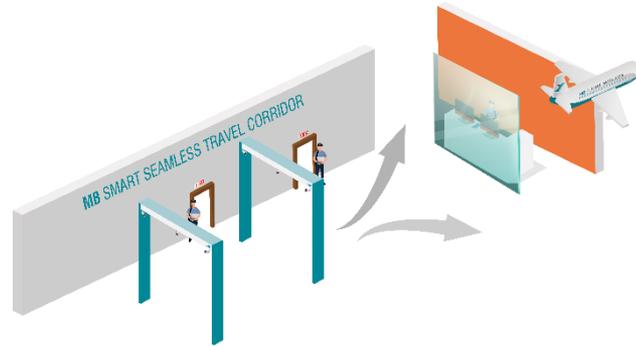
Source: UN Tourism | World Tourism Organization © • % change over 2019 | * Preliminary figures
Data as collected by UN Tourism, May 2024. Published: 21/05/2024



VERIFICATION/ENROLMENT ONLINE VIA SMARTPHONE



AUTHENTICATION CONTACTLESS CORRIDOR



TOUCHPOINTS (BAGDROP, SECURITY CONTROL, BOARDING ETC)

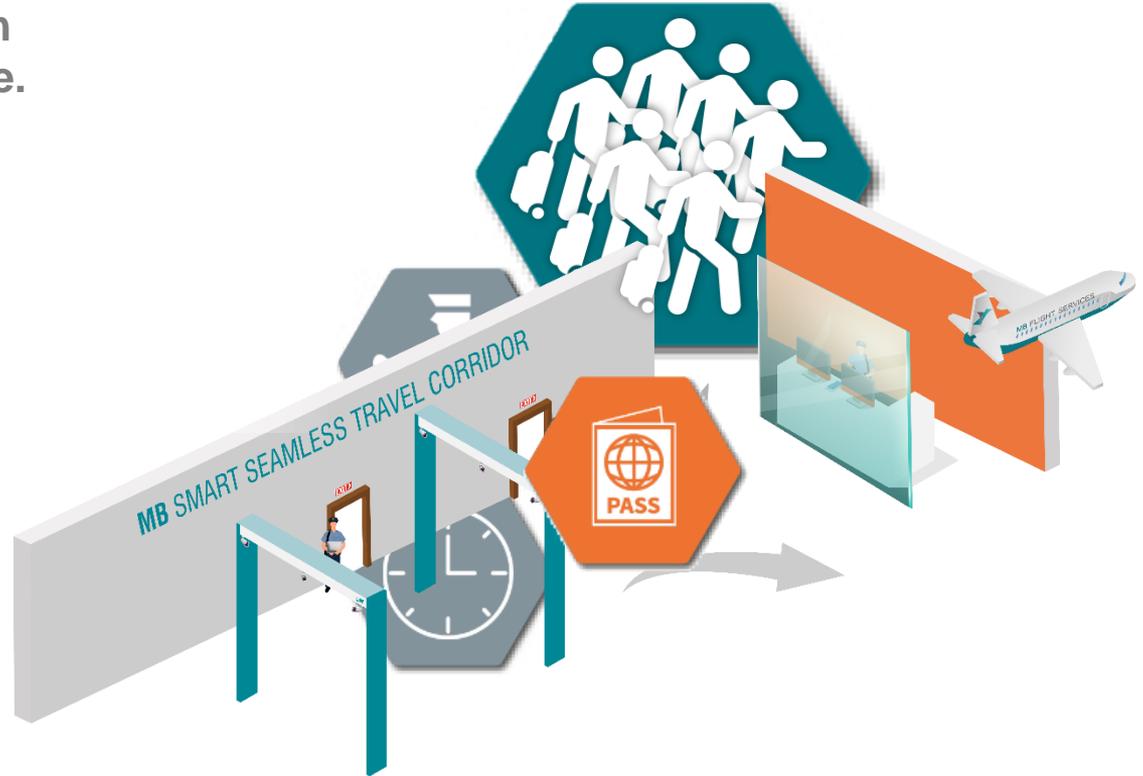


Globalization led to increase in number of travellers worldwide.

Existing infrastructure running at bottleneck

Delay in border crossing & unfavourable experience

New solution is needed !!!



Smart Seamless Travel Corridor: Advantages

Without document presentation

Without active user interaction

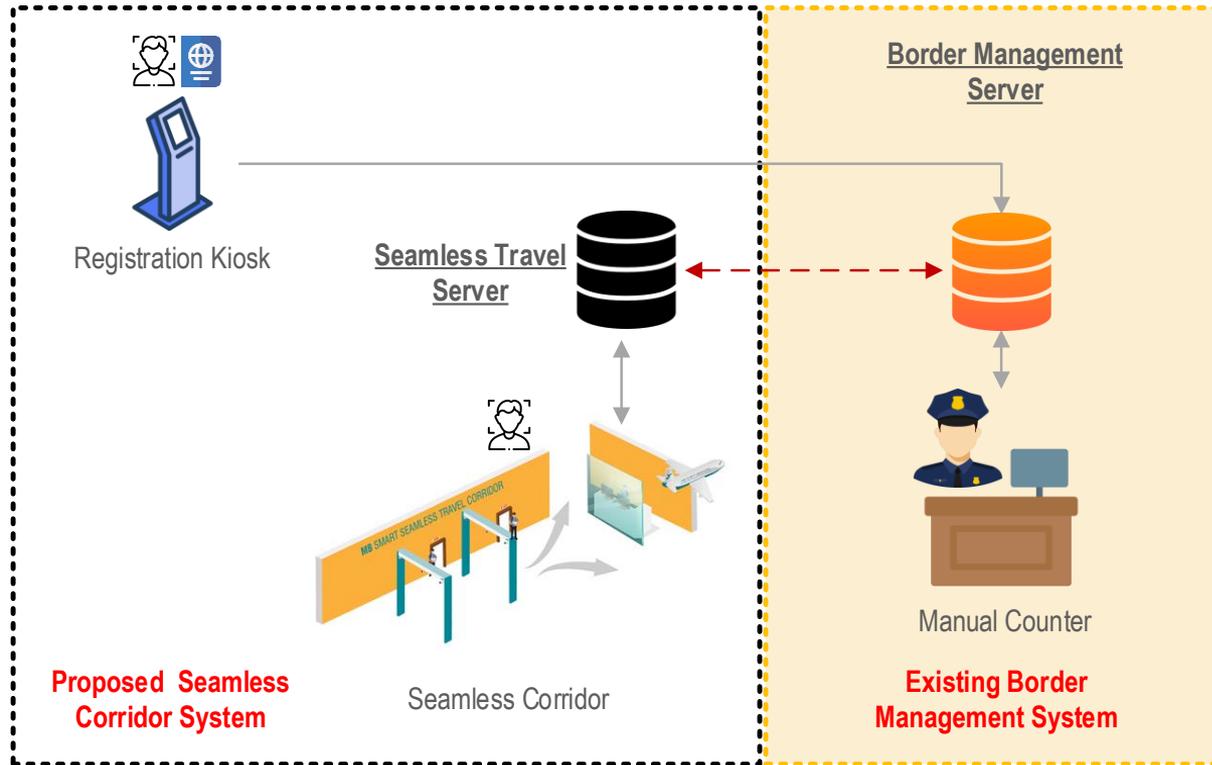
Biometric Identification & Tracking

Portability & Easy Deployment
at airport, land & sea border

Security & Privacy by Design



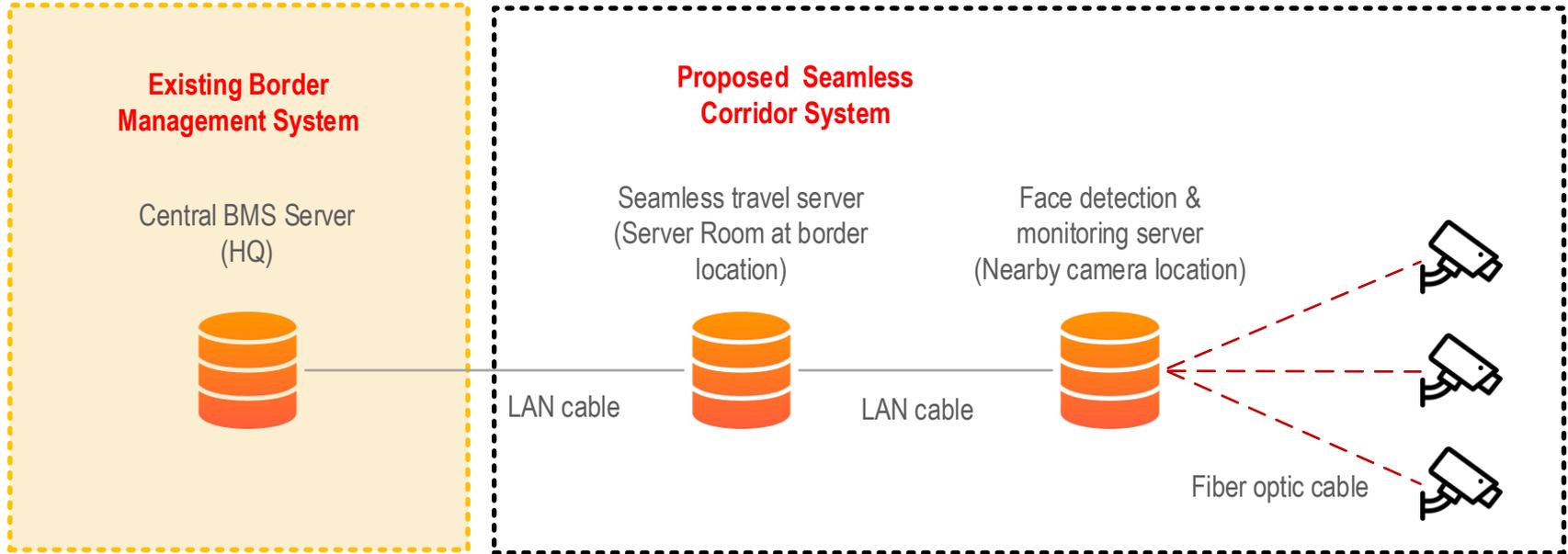
Seamless Corridor Concept



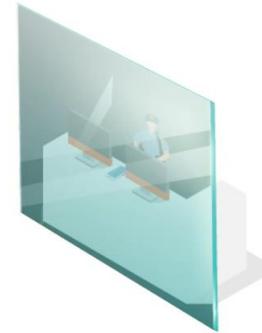
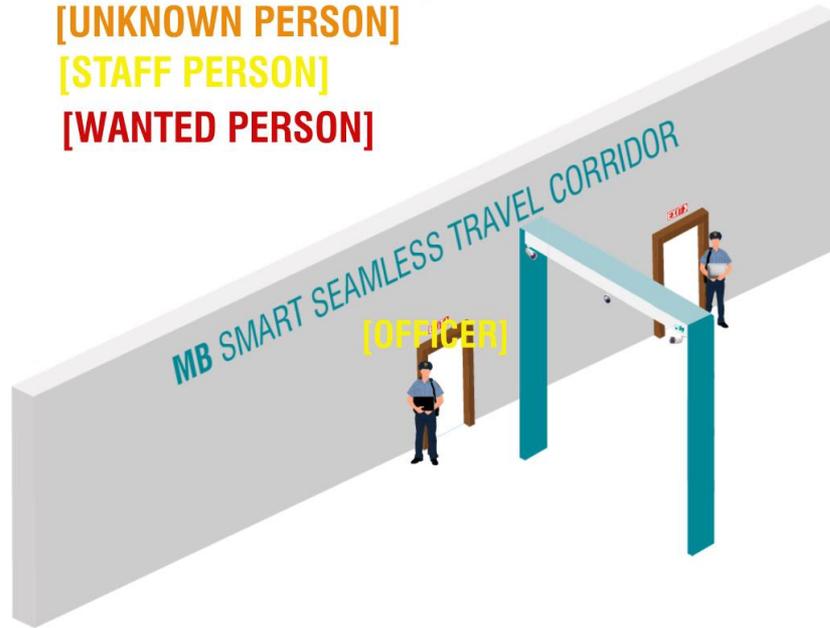
- The Seamless Travel Server does not need personal data, just a face image and an unique ID
- The informed consent is obtained during the registration (GDPR compliance)
- If an advanced passenger information is available, only the data face image and unique ID need to be pre-loaded into the gallery
- The retention periods of biometric information can be configured







[REGISTERED PERSON]
[UNKNOWN PERSON]
[STAFF PERSON]
[WANTED PERSON]



Smart Seamless Travel Corridor: Classification of subjects



- Face image quality assessment according to OFIQ from German BSI
- Integration of any face matching algorithm:
 - Sufficiently quick response time needed
 - Accuracy according to the NIST evaluations





Mini Computers



Cameras



Infrastructure requirements:

- Cameras are mounted on existing walls/pillars or dedicated frames
- Doors/openings need to escort travellers
- Booth needed for border police staff
- standard existing lighting conditions





- Based on machine learning & artificial intelligence
- Capture people in random group constellations even without active cooperation
 - Children
 - Persons in wheelchairs
- Tracks persons throughout the corridor
- Throughput around 3 times higher than with e-Gates, based on the same footprint
- No interaction necessary
- Pre registration based on eMRTD or digital ID like mDL or DTC
- Integrateable in existing Border Management Solutions



Increase border crossing throughput

More efficient personnel utilization

Improve security utilizing biometric

Easy integration in existing solutions



Thank you for your attention.

Please visit us at the booth in the exhibition room

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