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DIGITILIZING GOVERNMENTS

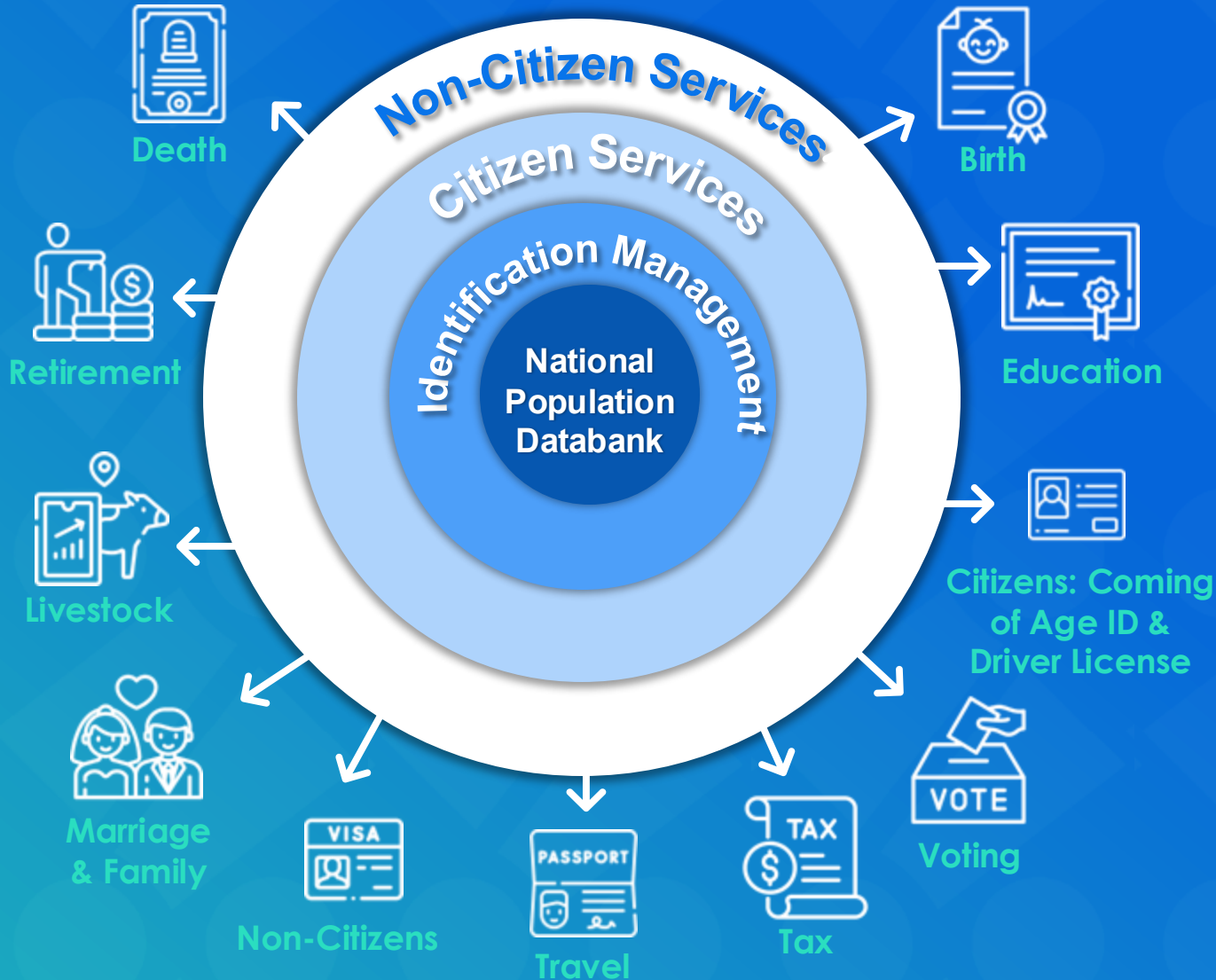
FROM VISION TO REALITY





A DATA-DRIVEN BLUEPRINT FOR DIGITALIZATION OF GOVERNMENT

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EXTERNAL INTERFACES

- Health
- Social Security
- Police
- Hospitals
- Revenue Authority
- Justice
- Statistics
- Banks

- Revolve around our "Circle of Life" concept
- Citizen-centric
- Integrated Identification and Authentication database



DIGITIZING IDENTITY: THE SECURE SEAMLESS CHAIN

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GOVERNMENT PORTAL

Provide citizens with a **government portal** to start the registration process on mobile devices

APPLICATION PROCESS

Once the online form has been completed, the **citizen can then complete the rest of the application** i.e., biometric capture at a nearby school, post office, and mobile enrolment center

DATA STORAGE

Citizen data and the file are **stored electronically** for easier verification later

ID ISSUANCE

At this point, we can **issue the citizen** with a **digital ID** on their mobile device

ACCESS TO SERVICES

The **citizen can use their digital ID to access all government services**, i.e.
Social grants
Registration for school
Health services
etc.

DELIVERY

In the meantime, the government can **courier the physical card to the citizen's nearest location** saving the citizen money, travel time, and time away from work or school



CASE STUDY: SINGPASS – SINGAPORE’S DIGITAL IDENTITY



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singpass

Individuals Businesses Developers Security Contact FAQ

Log in

Register

Your improved digital ID to make life easy

Singpass is your trusted digital identity for all the secure transaction needs in your everyday life.





SINGPASS – A ROAD TO SUCCESS



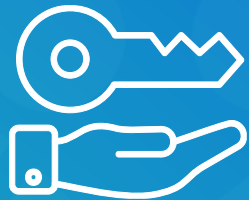
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User Base Of
4.5 Million
Users (**80% Penetration**)



Supported By
700+
Govt & Private Sector
Organizations



Provides Access To
2,000+
Govt & Private Sector
Digital Services



More Than
350 Million
Transactions Facilitated
Via Singpass Every Year



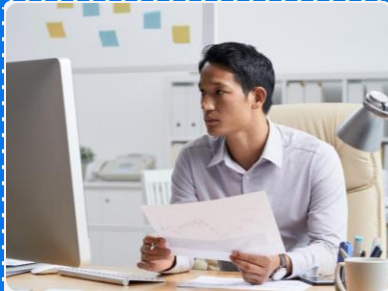
THE USAGE OF SINGAPORE'S DIGITAL ID SINGPASS



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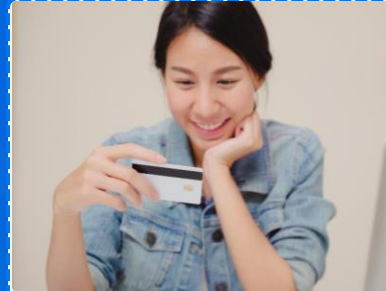
**Access
Examination
Results**



**Filing
Tax
Returns**



**Apply
For
Housing**



**Online
Banking**



**Birth
Registration**



**Business
Licenses &
Permits**



DIGITAL ECONOMY CONTRIBUTION TO SINGAPORE'S GDP



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US \$82 Billion (2022)
(18%) of Singapore's GDP

US \$45 Billion (2017)
(+83%)

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EMPOWERING SEAMLESS TRAVEL



MEET DAWIT, HE IS ETHIOPIAN!

DAWIT WAS FACING CHALLENGES WITH HIS ETHIOPIAN PASSPORT

- **Manual Passport Verification** → In countries where automated immigration systems are used, he experienced slower processing times as his non-electronic passport required manual verification
- **Lack of advanced security features** (RFID chip, old technology, etc.) → More susceptible to tampering, forgery, or identity theft.
- **Durability Concerns** → The physical materials used in his passport were not as durable, which led to wear and tear over time and resulted in travel delays
- **Recognition & Acceptance Issues** → His passport differed significantly from international standards



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HOW DID WE MANAGE TO HELP DAWIT?

THE STATE-OF-THE-ART ETHIOPIAN ePASSPORT





THE NEW ETHIOPIAN ePASSPORT



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■ DIGITAL ENHANCEMENT:

- **RFID chip** in the back cover
- **Latest OS** version available on the market
- Digital technology to ensure **authenticity, integrity,** and **non-cloning**
- **Biometric** data, 2 fingerprints

■ PHYSICAL ENHANCEMENT:

- Introduction of a **Polycarbonate Date Page**
- First-of-its-kind **Dynamic Gold Foil** on the passport cover
- **Advanced Security Features** on the PCDP & Visa pages (Color switch, Clear window, etc.)

■ Certificates/COMPLIANCES:

- **ICAO Doc 9303** compliance
- **BAC / EACv1 / PACE / PA & AA**
- Chip **EAL 6+**, OS **EAL 4+** BAC / **5+ SAC-EAC**





UNIQUE SHIFTING IMAGE ON THE ePASSPORT COVER

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INSIDE FRONT COVER



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Three-Level Incode Image

0° 45° 90°



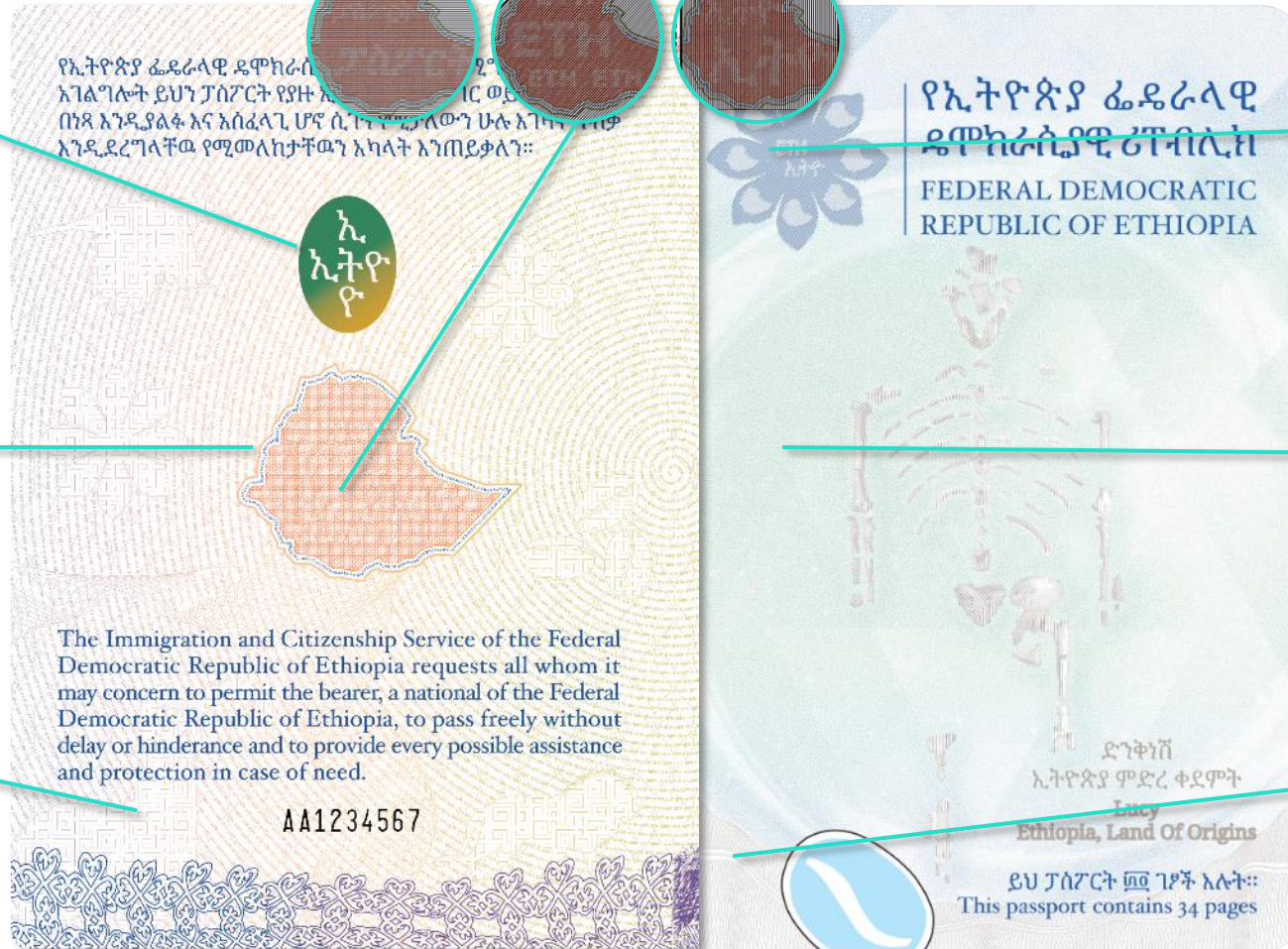
OVI®
Gold/Green



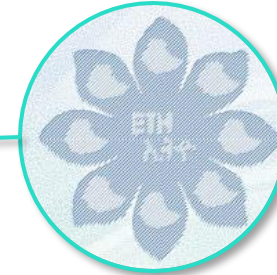
μText
Deliberate error



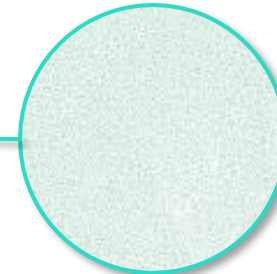
Geometric
Background



Relief
Linewidth



Art
Screen



Microtext





ePASS PORTAL: DIGITAL GATEWAY TO SECURE TRAVEL DOCUMENTS

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WHAT IS THE ePASS PORTAL?

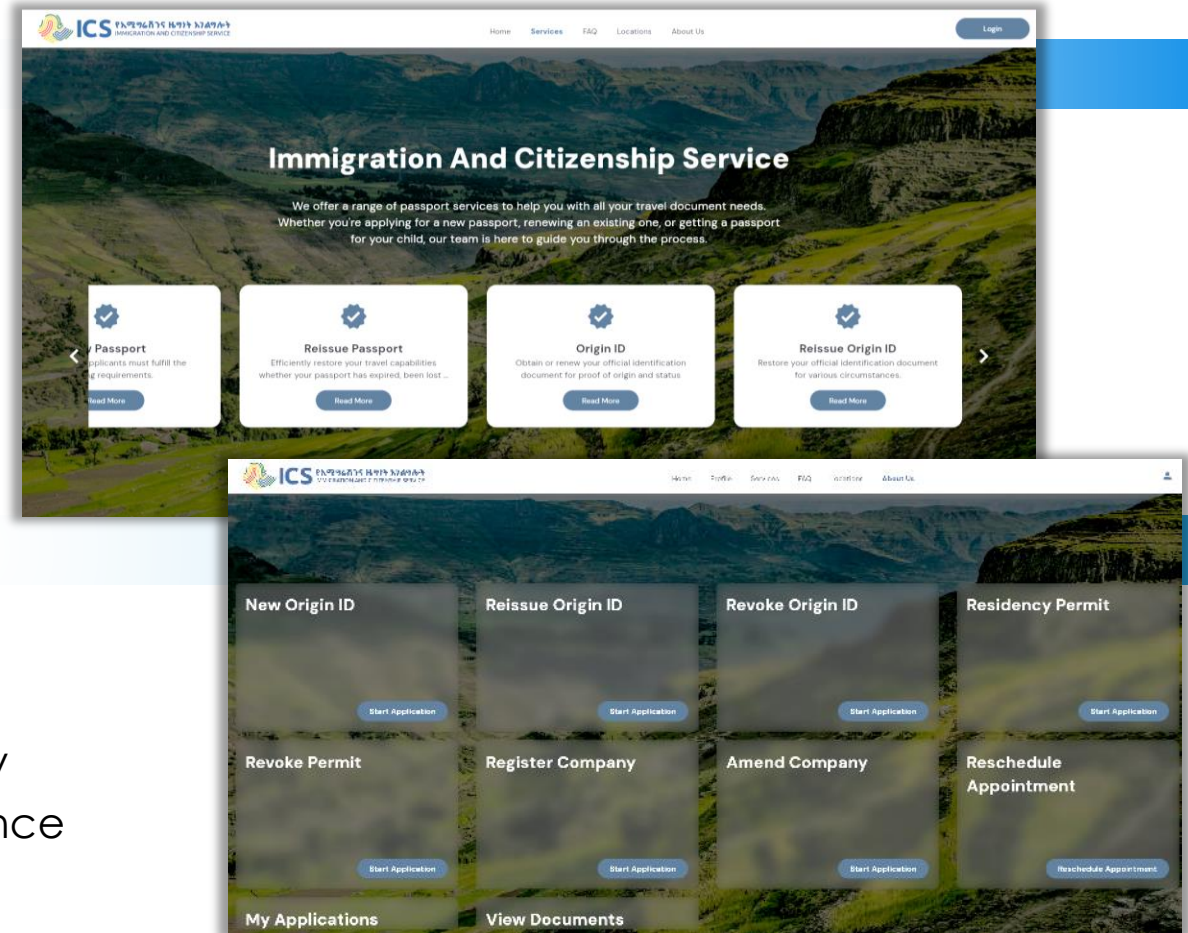
The new ICS ePass Portal is a one-stop digital platform designed to simplify and modernize the way citizens apply for security travel documents.

KEY FEATURES

- ✓ **Apply online** for Visas, Passports, Origin ID, Company Registration, and Residence/Work Permits
- ✓ **Track the status** of your application
- ✓ **Receive updates**
- ✓ **Book and manage** in-person appointments
- ✓ **Accessible 24/7**

WHY IT MATTERS:

- ✓ **Faster access** to government services
- ✓ **More efficient** processing and submission
- ✓ **Greater transparency** throughout the application journey
- ✓ **Empowers citizens** with control over their service experience





SHAPING THE FUTURE OF IDENTITY IN AFRICA

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COUNTRY	PROJECT
▪ Angola	ePassport
▪ Botswana	National ID and AFIS; Pension Payments
▪ Central African Republic	National ID, Drivers and Vehicle Licensing
▪ DRC	Police ID, Civil Workers, Military Census, AFIS
▪ Ethiopia	Taxpayers' Biometric Registration, AFIS, ePassport, National ID
▪ Ghana	ePassport
▪ Gambia	ePassport
▪ Kenya	Voter Verification Devices; Public Workers Registration, ePassport
▪ Lesotho	Electoral Registration System, AFIS, and ePassport
▪ Libya	ePassport
▪ Malawi	Driving Licences, Motor Vehicle Registration System; AFIS
▪ Mozambique	Driving Licences, Motor Vehicle Registration System, Voters Registration, & AFIS
▪ Namibia	Welfare Payments, Voters' Registration, AFIS, and Digital Government
▪ Nigeria	Taxpayers' Biometrics Registration, AFIS, and ePassport
▪ Rwanda	ePassport, National ID
▪ South Africa	Social Grants, E-Natis, Prodiba, Banks
▪ Senegal	Transport Information System, Drivers and Vehicle Licensing
▪ Sierra Leone	Voters' Registration System, ePassport
▪ Somaliland	Elections Card Production
▪ Swaziland	Electoral Management System and AFIS Pensioners Registration & Management, ePassport
▪ Tanzania	Transport Information System, ePassport
▪ Uganda	Driving Licence and AFIS, Police ID and AFIS, MOPS, PSV, ALS, MOW Archiving
▪ Zambia	Driving Licences, Motor Vehicle Registration System
▪ Zimbabwe	National ID

THE JAPANESE MULTI-BILLION \$ COMPANY

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1900



FOUNDED

+US\$ 14 bn



NET SALES

+54,000



EMPLOYEES

+250



COMPANIES

+50



LOCATIONS

+US\$ 190mn



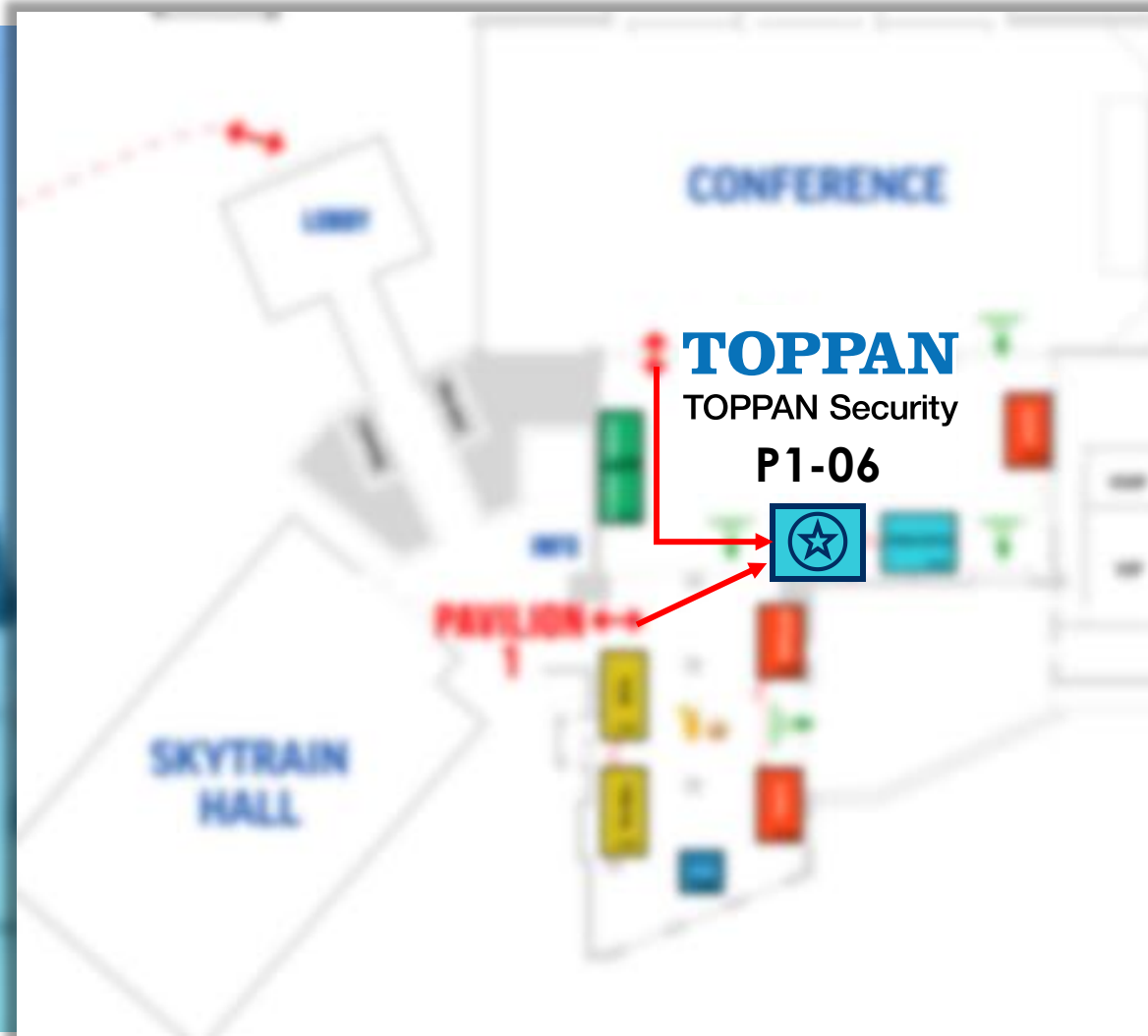
R&D INVESTMENT





WANT TO KNOW MORE? MEET US AT STAND #P1-06

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THANK YOU