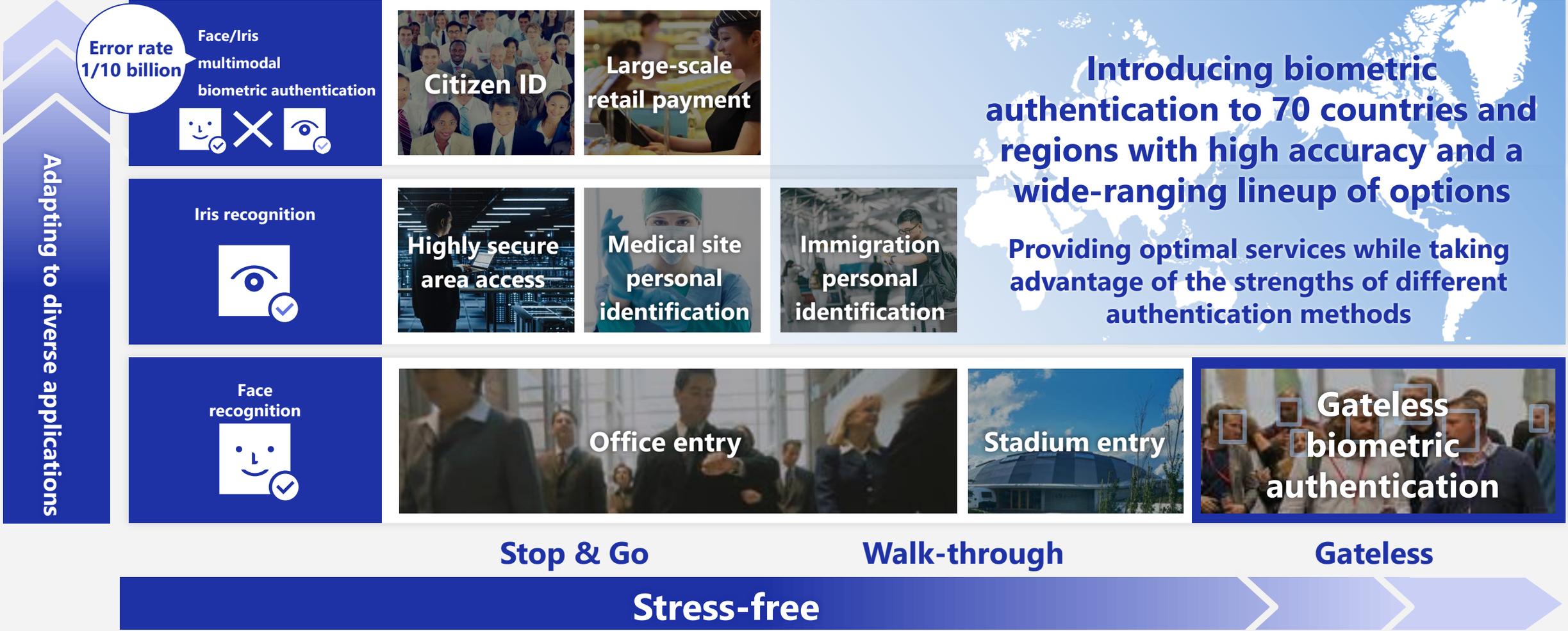


Technology 01

The Evolved Biometric Authentication



Providing optimal biometrics in diverse settings

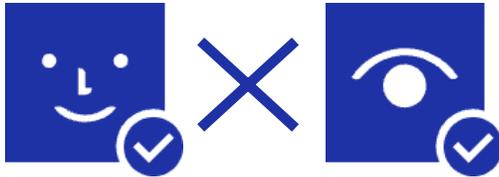


Face/Iris multimodal biometric authentication

High-precision authentication with a false acceptance rate^{*1} of less than 1 in 10 billion
The ultimate authentication method that covers the entire global population

^{*1}: The rate at which unauthorized persons are incorrectly accepted (for one-on-one recognition)

- No need for IC cards or passwords
- two-modal authentication completed in 2 seconds



Face recognition

Iris recognition

The combination of the above, with an authentication rate higher than 99%, can achieve higher security and application on a larger scale

Government project
data center

Payment at shops

When wearing dustproof clothing and mask

Dedicated authentication device

Bio-IDiom Multimodal Device

Ultra-high accurate authentication
Touchless authentication

Anti-spoofing

Detects and blocks photos and printed materials

Universal design

Automatic adjustment of capture position (Tilt control)



November 2022

Sales launch
Rolling out abroad starting next spring

Future prospect

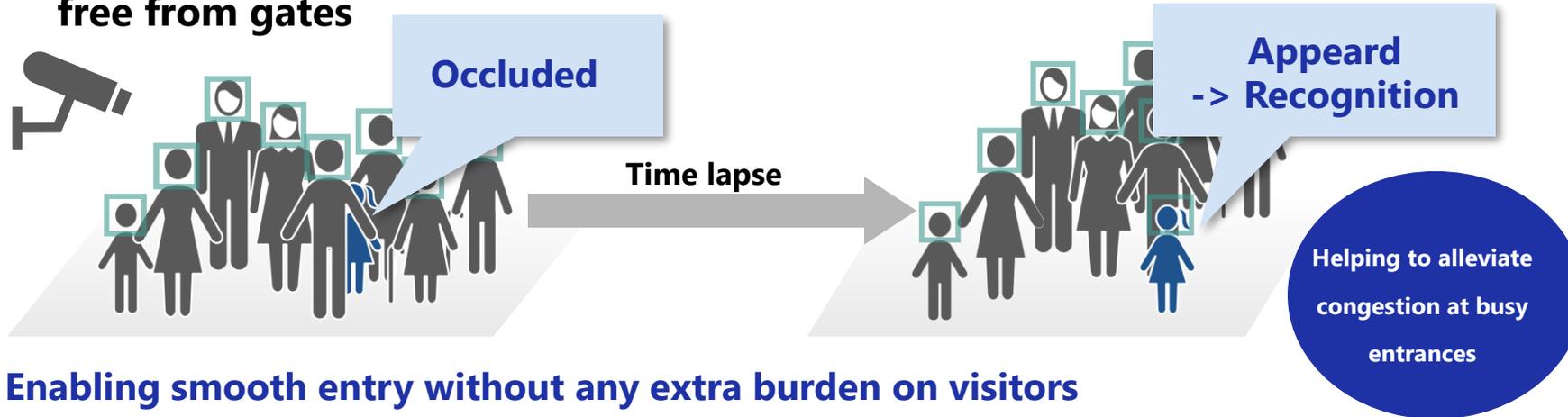
Apply launched products to payments and border control worldwide



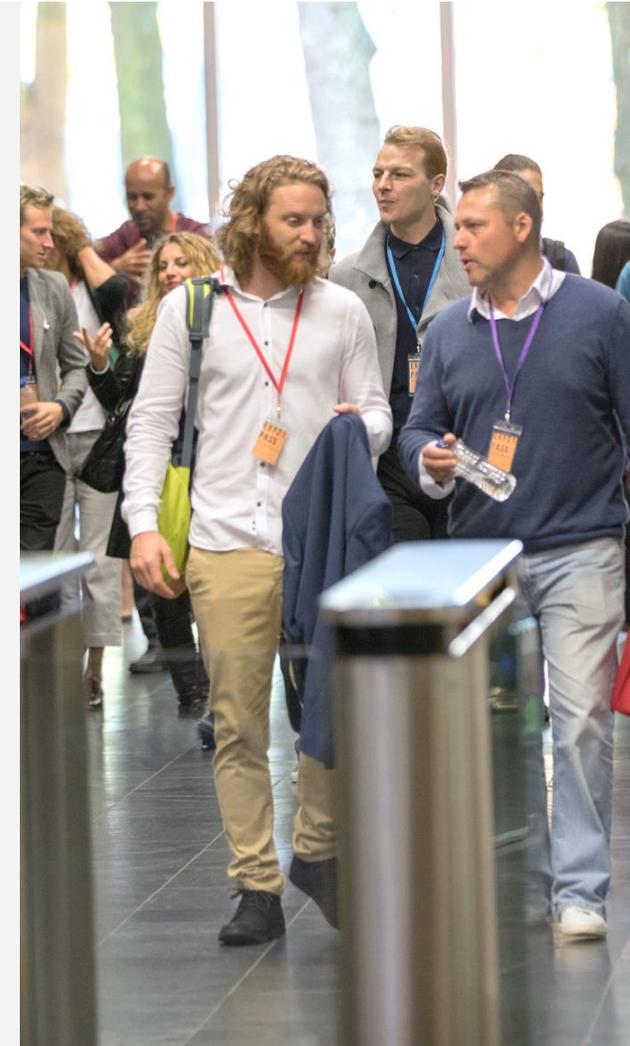
Gateless Access Control System using Biometric Recognition

Real-time authentication of multiple people enables quick and smooth entry

- Combining face recognition with person re-identification which matches the characteristics of a person's clothing, provides fast and reliable entry control free from gates



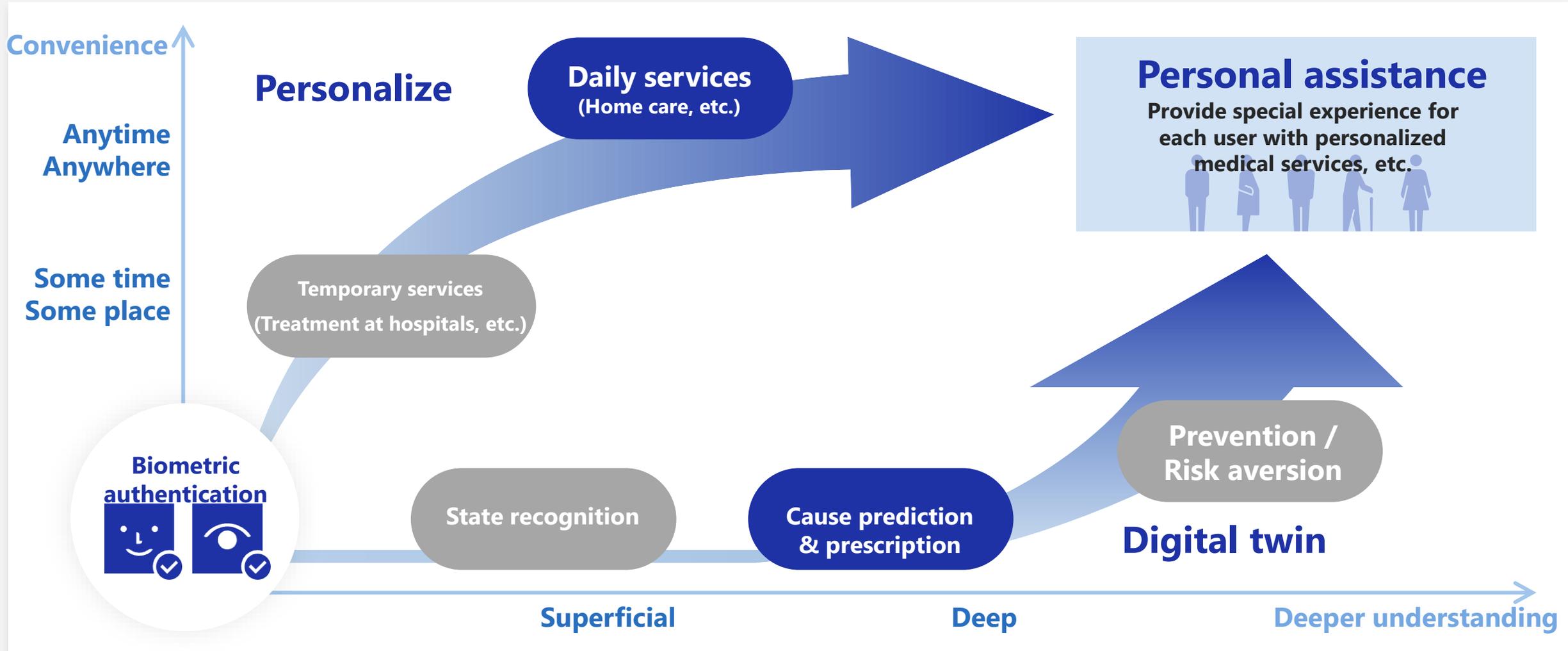
Enabling smooth entry without any extra burden on visitors



Future prospect

Provide comfortable customer experience free of gate passing queues and card-touch processing waiting

From biometric authentication to understanding people and providing personal assistance



Digital transformation for physical care

AI suggests appropriate exercise menus.

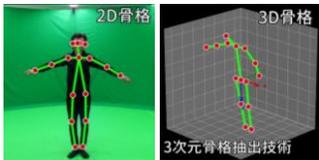
You can access high-quality physical care with just a mobile app.

- AI enables physical condition recognition, cause prediction, and exercise menu suggestion, equivalent to physical therapists.

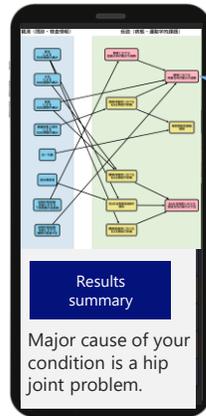
Physical condition recognition

Cause prediction

Exercise menu suggestion



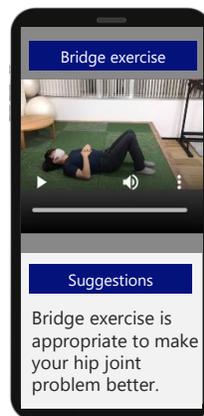
Recognition of condition for each body part using high accurate 2D/3D skeleton estimation results



Major cause of your condition is a hip joint problem.

Prediction of major causes of physical condition

Hip joint limited mobility during flexion



Bridge exercise is appropriate to make your hip joint problem better.

AI makes suggestions of exercise menu to solve the predicted causes based on history of changes in physical condition and exercise menu during treatment.

Future prospects

Enable people to access personalized physical care anytime and anywhere

