



**mPASS**<sup>TM</sup>

**HID**<sup>®</sup>

CASE STUDY

# Strengthening Access Security with mPass by Cerebra + HID Fingerprint Authentication

## Executive Summary

A highly sensitive government organization (undisclosed for confidentiality) responsible for delivering critical national services faced increasing pressure to strengthen access security. As part of their digital transformation journey, the organization prioritized three core goals: **robust security, regulatory compliance, and clear user accountability.**

With employees accessing mission-critical systems daily, traditional password-based authentication posed significant risks especially around phishing and credential theft. The organization needed a modern, passwordless authentication method that could protect users at scale, while meeting strict **National Cybersecurity Authority (NCA) requirements.**

## Challenges

Government employees accessed mission-critical applications with traditional passwords, exposing them to credential theft and insider risks.



The organization required passwordless, biometric-based authentication with seamless integration into existing IT systems.



Compliance with national cybersecurity frameworks (NCA, SAMA controls, etc) mandated stronger identity assurance methods.

## Solution

The government entity selected mPass Authentication Platform integrated with HID fingerprint readers to enable secure, passwordless access.

SUPPORTED HID RECOMMENDED MODULES:



HID DigitalPersona 4500



HID DigitalPersona 5300



HID EikonTouch® 510 series

## Key Features Implemented



### Biometric MFA (Fingerprint)

replacing passwords for high-risk users.



### Adaptive Access Policies

stricter checks for privileged accounts and sensitive data.



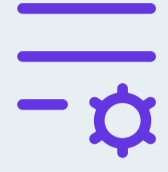
### SSO Integration

unified login across multiple internal apps.



### Offline Auth Support

ensuring access even when network is limited.

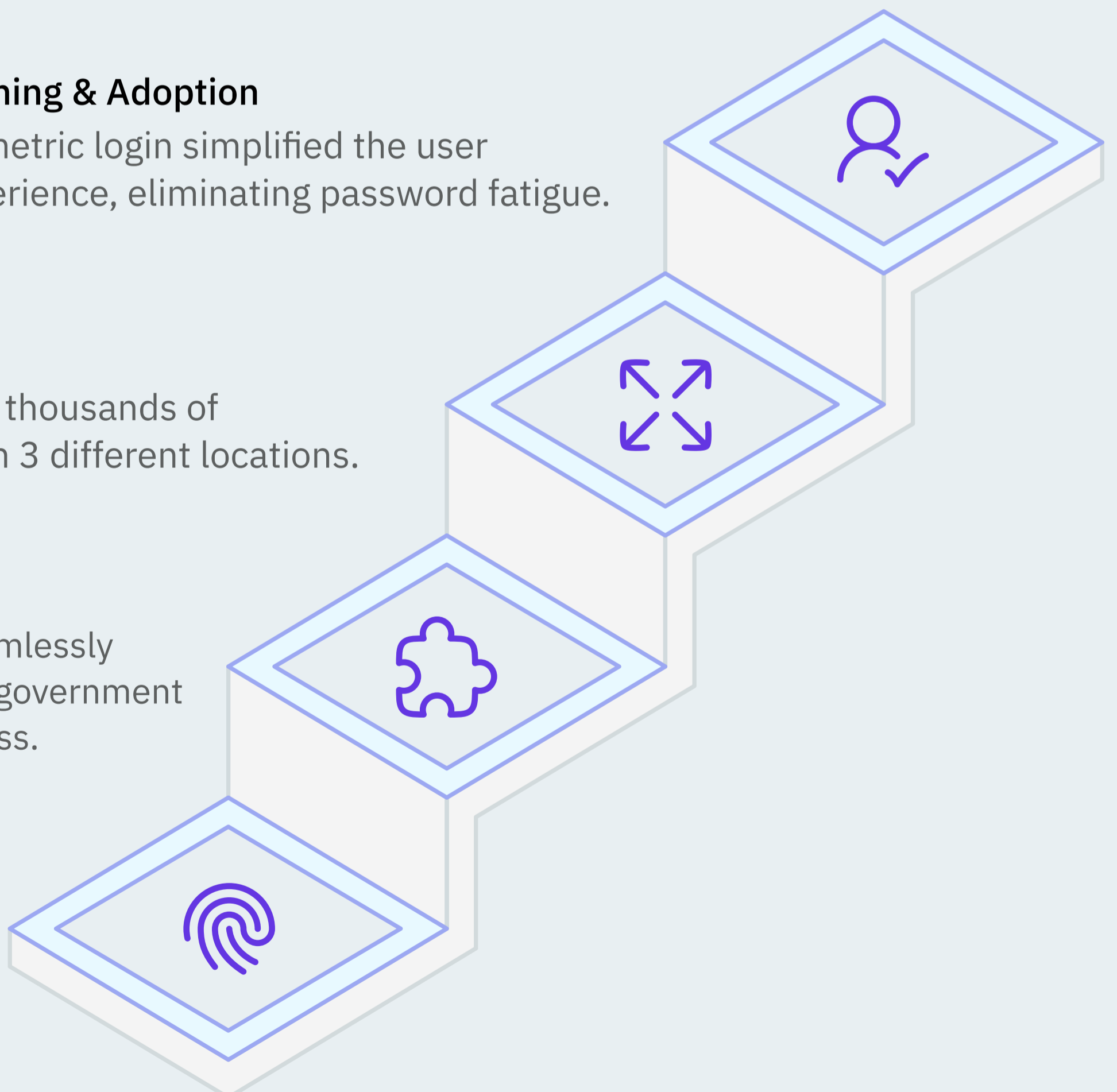


### Audit & Compliance Logs

full traceability for every auth event.

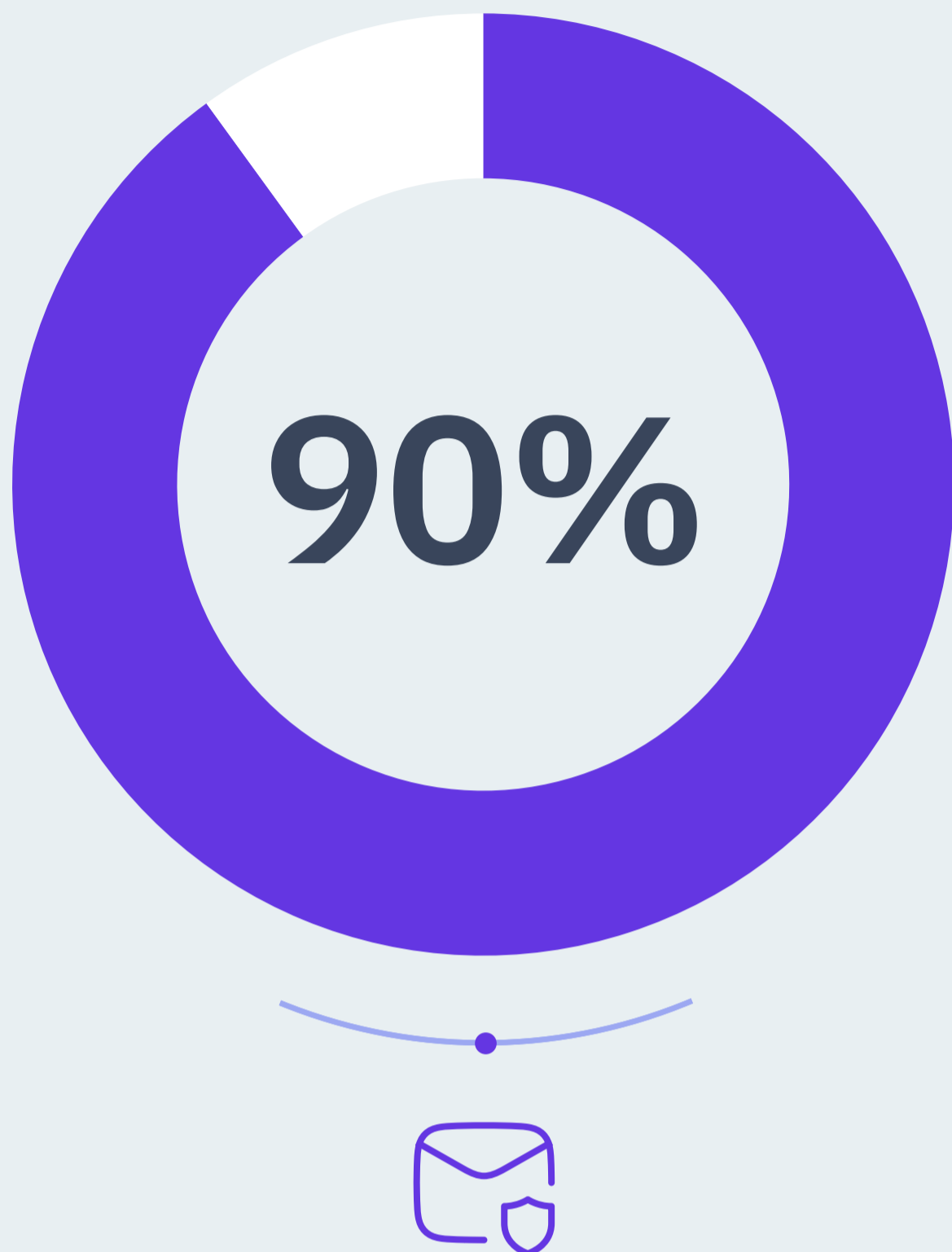
## Implementation Journey

- 4 Training & Adoption**  
 biometric login simplified the user experience, eliminating password fatigue.
- 3 Rollout**  
 expanded to thousands of employees in 3 different locations.
- 2 Integration**  
 mPass connected seamlessly with Active Directory, government portals, and VPN access.
- 1 Pilot Phase**  
 tested HID fingerprint authentication with 50 high-privilege users.



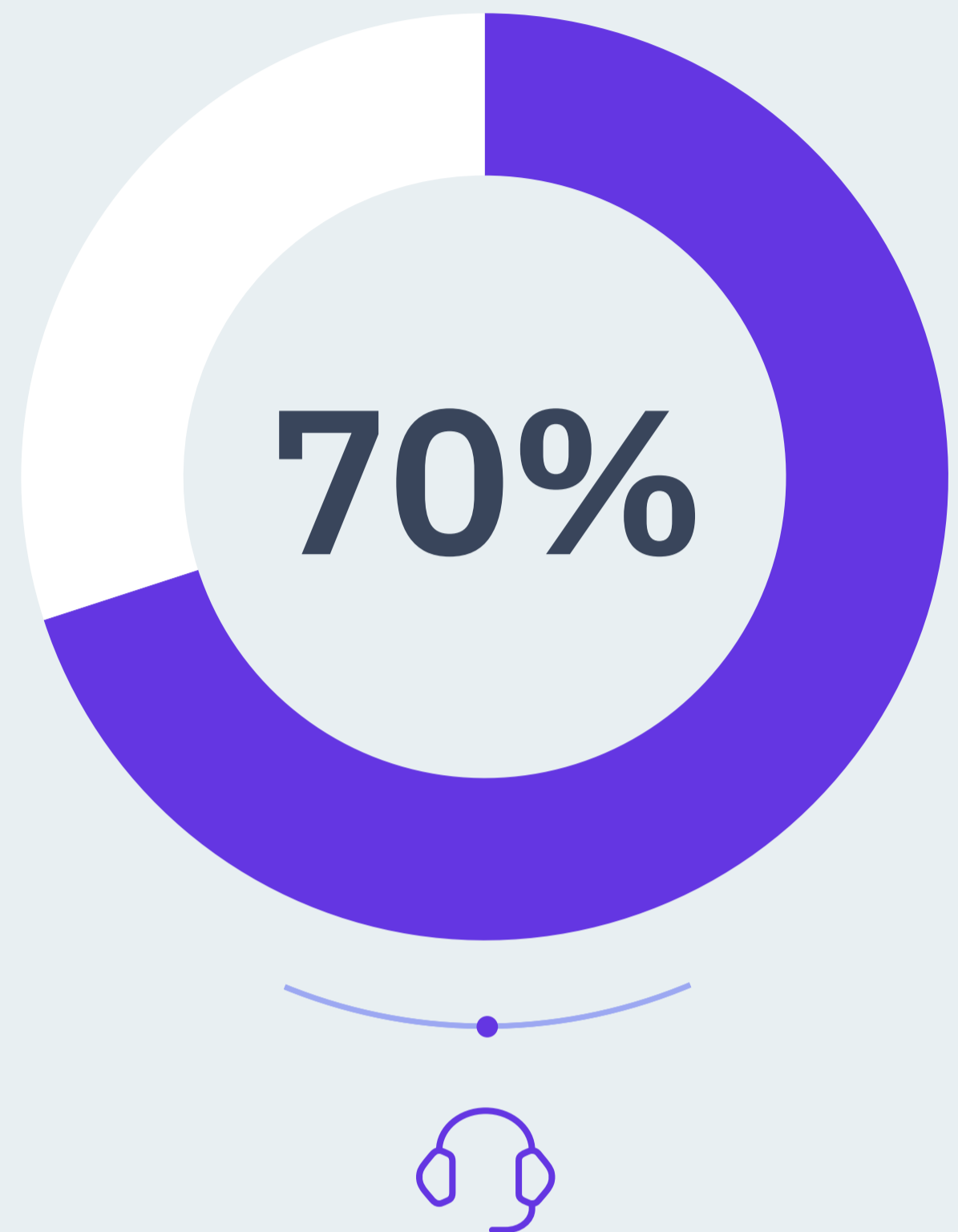
## Results

Government employees accessed mission-critical applications with traditional passwords, exposing them to credential theft and insider risks.



### 90%+ Reduction in Phishing and Credential Theft

Fingerprint-based login eliminated password reuse and phishing risk, cutting credential compromise by more than 90%.



### 70% Fewer Helpdesk Requests

Single touch login simplified employee access, reducing password reset tickets and improving the overall user experience.



#### Regulatory Compliance

Fully aligned with NCA cybersecurity framework.



#### Operational Efficiency

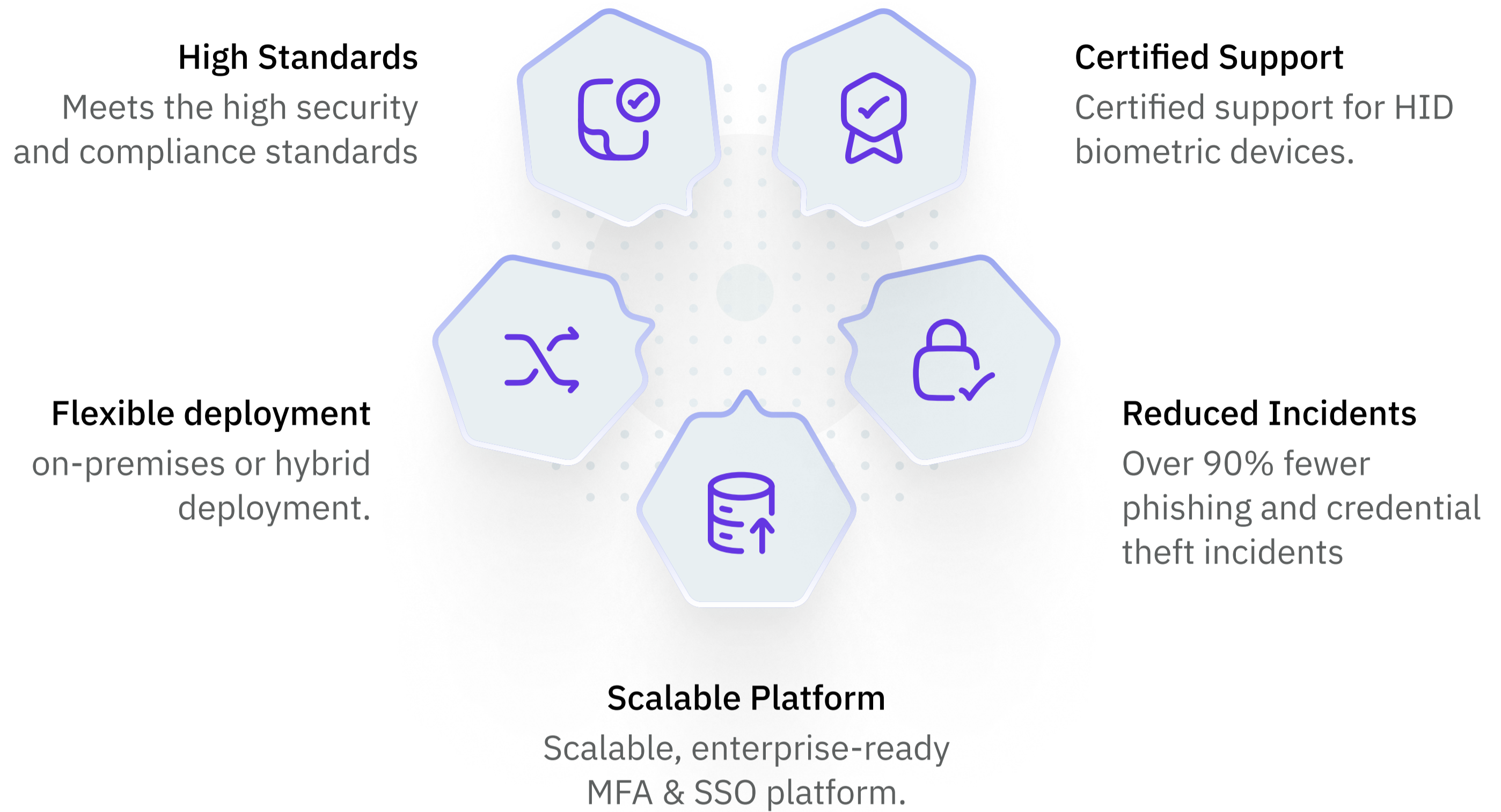
Faster login process improved productivity across departments.



#### Future-Ready Security

Foundation set for expanding into passwordless strategy with additional authenticators.

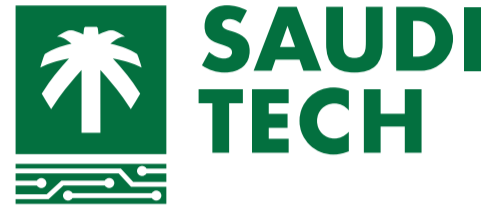
## Why mPass + HID Fingerprint?



## Conclusion

By adopting mPass with HID fingerprint authentication, the government organization achieved a balance of security, compliance, and user convenience. This initiative not only addressed immediate authentication challenges but also set a strong foundation for a zero-trust identity framework.

**CEREBRA**  
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Cerebra is the regional cybersecurity pioneer, trusted by top-tier clients. Inspired by human intelligence, we help organizations manage risk and protect identities

Our vision is to be the leading cybersecurity vendor in the region with a mission to empower people and organizations to safely engage their digital experience

Established in 2020. Headquartered in Riyadh, Kingdom of Saudi Arabia



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