iOmniscient

iQ-Access

Gateless. Databaseless.
Fraudproof. Infinitely scalable.

Access management



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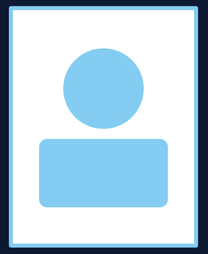
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The Access Challenge

Conventional access management presents distinct security, accuracy, privacy, and scale challenges

CREDENTIAL SECURITY



VALID CREDENTIAL

Borrowed or stolen

A physical card can place a valid credential in the wrong hands.

Accuracy

Small inaccuracies multiply as the system grows.

Privacy

Externally held staff databases create privacy-breach exposure.

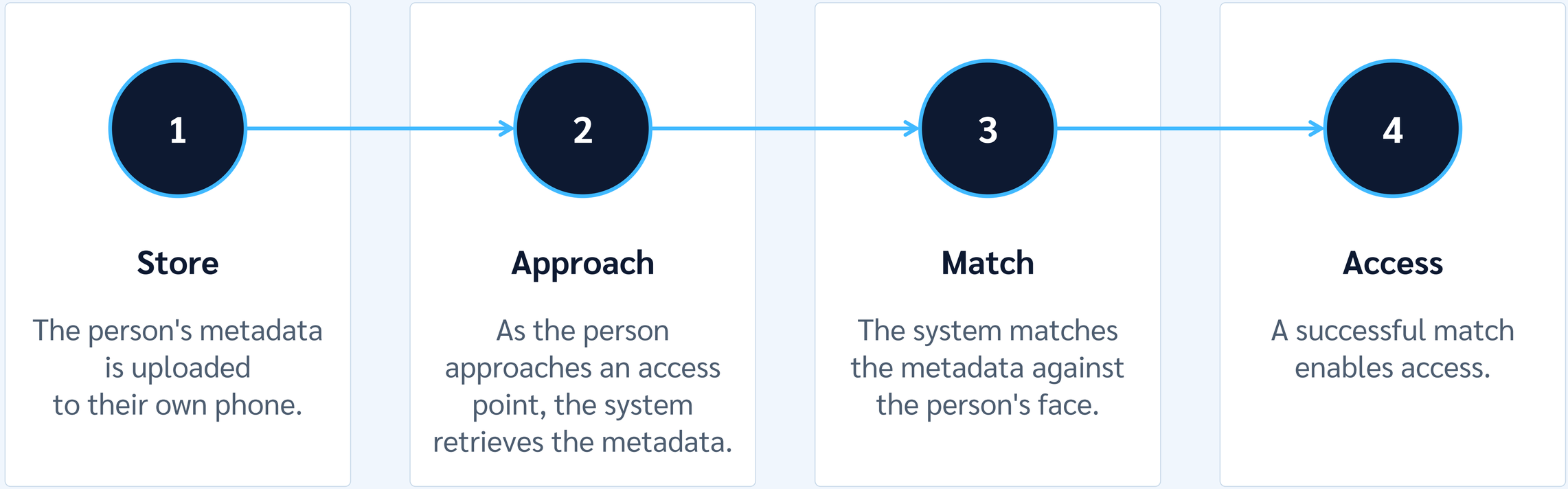
Scale

Multi-facility organizations can be difficult to scale.

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How iQ-Access Works

Phone-held metadata supports face matching at the access point



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Authentication & Infrastructure

Patent evidence, alternative credentials, and lightweight compute

PATENT



Internationally patented

The core technology is internationally patented.

QR

Alternative primary authentication

PHONE OPTIONAL

A QR code can replace the phone for primary authentication.

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GPU

Real-time analytics do not require GPUs.

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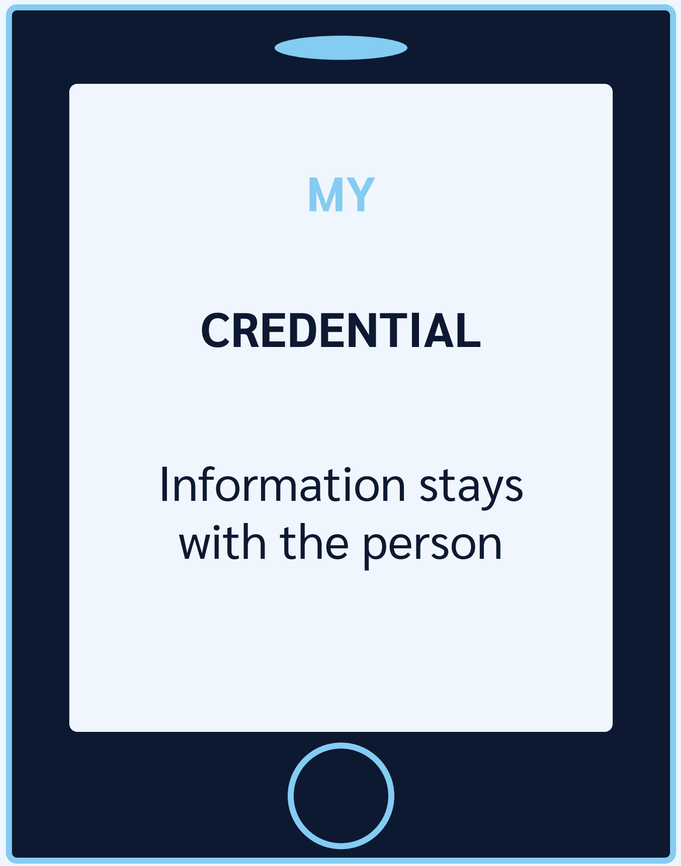
Core Benefits

Phone-held information changes the security and scaling model

FRAUDPROOF

The phone alone is not the credential.

A stolen phone cannot be used by the thief for access.



DATABASELESS

No externally accessible database is required.

SCALABLE

Sites do not need synchronized databases because each person carries their own information.

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Gateless Access

OPEN MOVEMENT

No physical gate required

Non-mission-critical facilities can use gateless access.

If a person is unauthorized, security receives their image and current location.

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Privacy Protection

Protected identity with retained scene-level insight

GDPR

COMPLIANT

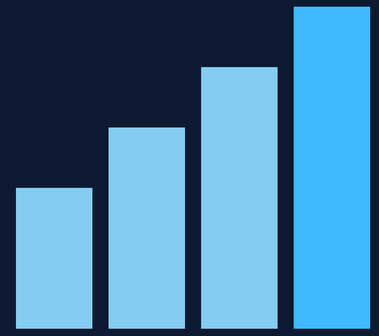
iQ-Access is GDPR compliant.

Protected identity

Operators cannot recognize individuals in protected streams.

SCENE

Demographics remain visible



The system can still extract scene demographics.

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About iOmniscient

Partnership

All iOmniscient Products run exclusively on Intel based computing hardware using OpenVINO™

- The use of Advanced AI technology that goes beyond Deep Learning enables iOmniscient to run its systems without the need for 3rd party GPUs.
- This reduces the power required by a factor of 16 – resulting in a 16-fold reduction in the carbon footprint.
- This is just one part of a multi-faceted program to help customers to implement Sustainable Systems.

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About iOmniscient

- iOmniscient is an **Ethical AI** company.
- It offers **multi-sensory (video-sound-smell) Artificial Intelligence based analytics for Autonomous Systems.**
- It focuses on ensuring **Outcomes** for its customers.
- With **over 2 decades of experience,** iOmniscient systems have been demonstrated to be **robust,** operating with high accuracy and few false alarms specially in **complex and crowded** environments.
- By design, its systems **reduce the cost of infrastructure** required:
  - they can use existing cameras
  - they require fewer cameras with lower resolution
  - they require 90% less storage and network bandwidth
  - they are computing light and require no GPUs
  - they allow autonomous operations requiring fewer personnel to operate
- iOmniscient has implemented projects in **70 countries.**
- With over **70 international patents** many of its capabilities are unique and unavailable from any other source.





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