



ABSOLUTE SECURITY MEETS ZERO FRICTION

The Next Generation of Biometric Identity for Aviation & Border Control

THE MODERN AIRPORT PARADOX

THE TENSION

ESCALATING
SECURITY THREATS

DEMAND FOR
FRICTIONLESS TRAVEL

MANUAL PROCESSING
BOTTLENECKS



TRUE SITUATIONAL AWARENESS REQUIRES AN ECOSYSTEM THAT BALANCES ABSOLUTE SECURITY WITH INVISIBLE, FRICTIONLESS OPERATION.

THE CFA ENGINE: ENGINEERED, NOT ACCIDENTAL



IN-HOUSE MASTERY:

Proprietary technology developed entirely in-house over 4 years.



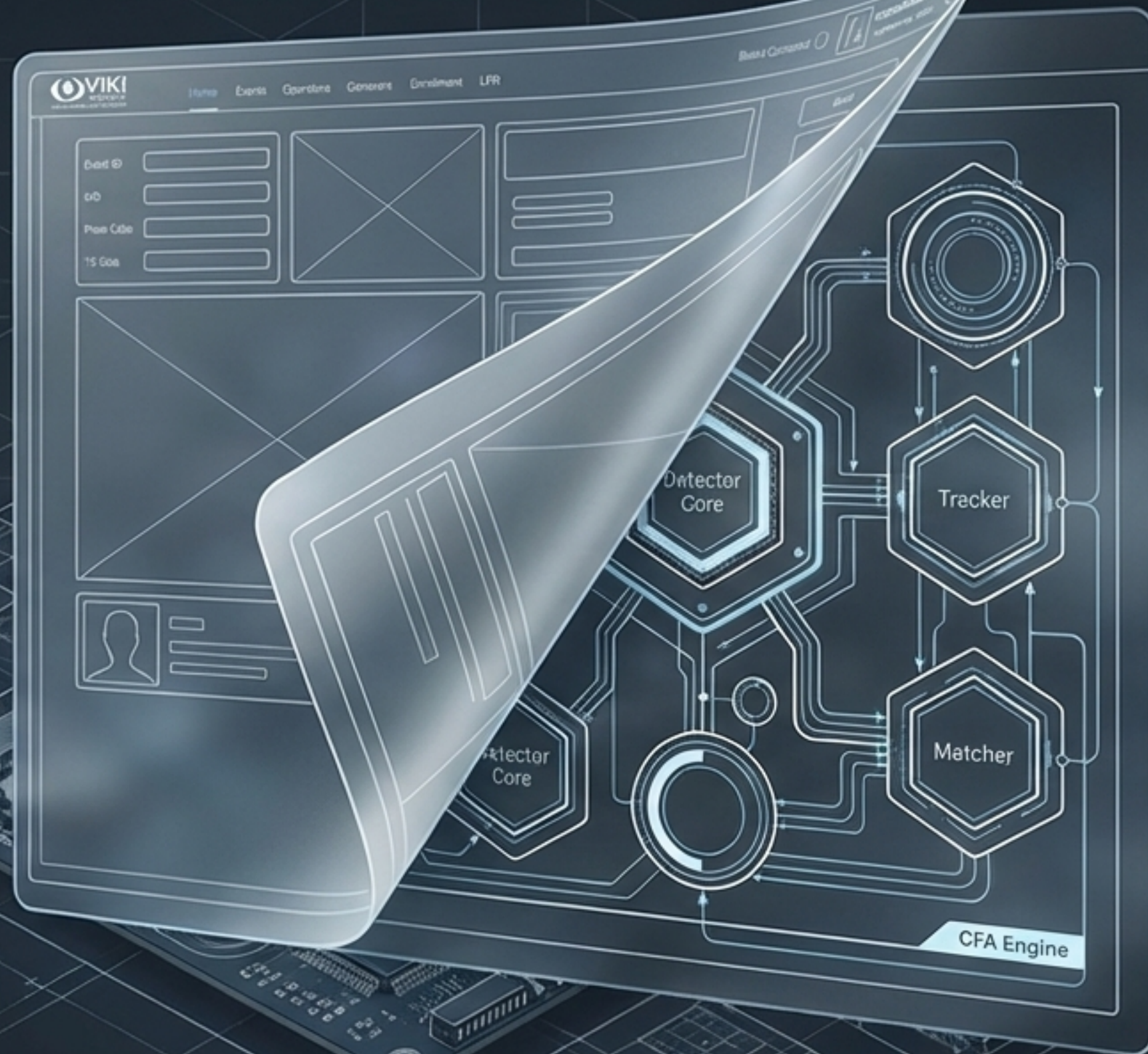
OMNI-ENVIRONMENT:

Designed to learn from the user and adapt to any environment (Day/Night, Indoor/Outdoor, Pedestrian/Vehicle).



UNMATCHED PRECISION:

Advanced components built for the most demanding real-world biometric identification scenarios.



PRIVACY-FIRST ARCHITECTURE: WE DO NOT STORE FACES

CFA ENCRYPTION RING



INPUT

TRANSFORMATION

DESTRUCTION

MATHEMATICAL VECTORS:

The system converts identities into encrypted mathematical vectors.

ZERO IMAGE STORAGE:

It does not collect or store physical images.

NO DATABASE VULNERABILITY:

Contains no inherently identifying visual information, eliminating the risk of a compromised photo database.

OVERCOMING THE IMPOSSIBLE: TOTAL DARKNESS AND OBSCURATION



Infrared Mastery:

Absolute accuracy in total darkness using infrared facial recognition.

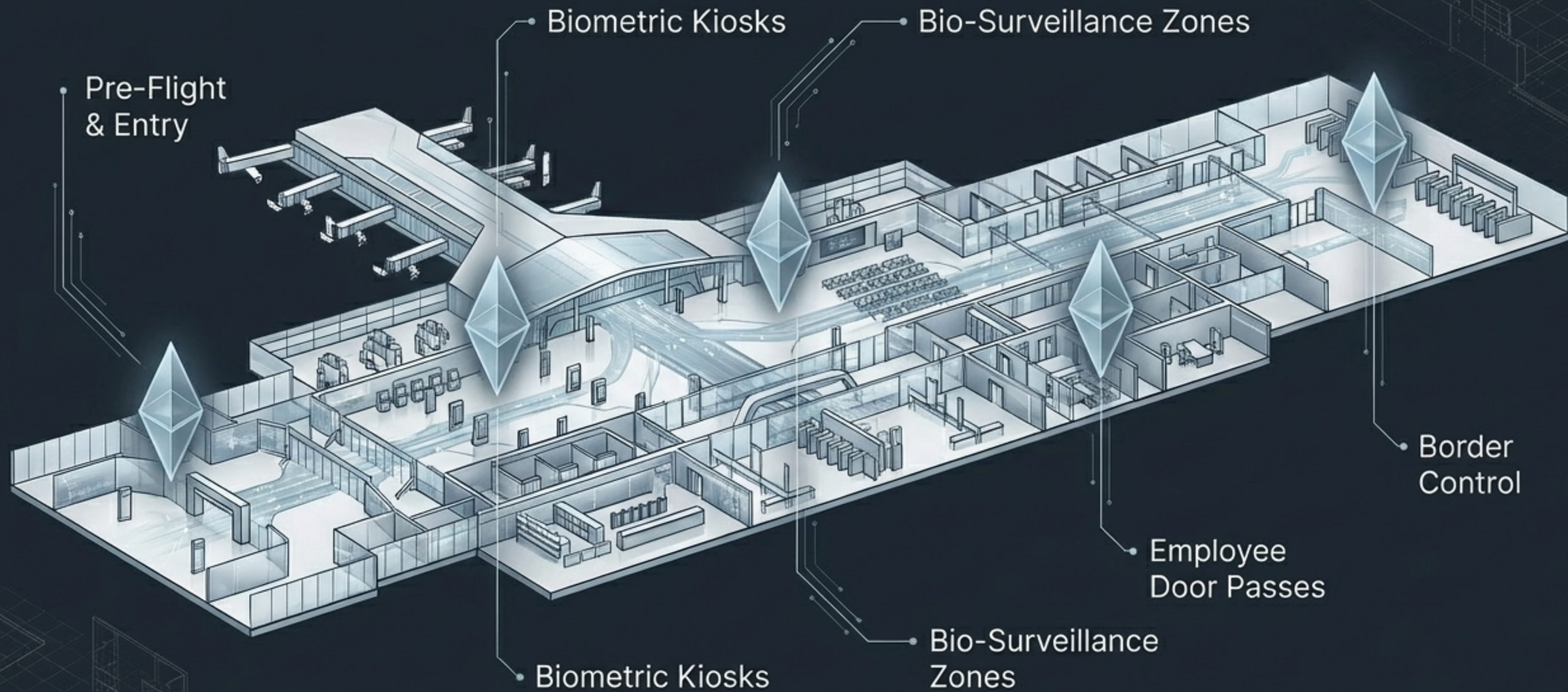
Cross-Spectrum Matching:

Unique ability to instantly compare a daytime color image against a night-vision IR image.

Mesh Analysis:

Overcomes physical hiding, sunglasses, and masks via structural facial mapping.

ACTIVATING THE INVISIBLE MATRIX ACROSS THE TERMINAL



THE DIAGNOSTIC ACCESS MATRIX: SCALING THREAT RESPONSES

IDENTITY VERIFICATION (1:1)	FRICTIONLESS ACCESS (1:N)	BIO-SURVEILLANCE (N:N)
Mechanism: Smart card + Face / Mobile App + Face.	Mechanism: Door pass (Biometrics only, no physical card).	Mechanism: Crowd scanning against suspect watchlists.
Target: Pre-flight passengers, high-security terminal entry.	Target: Employees moving seamlessly between secure zones.	Target: Unauthorized compartment entries, potential smugglers.
Accuracy Level: 0.0000001 (Level 1:120,000 product capability).	Accuracy Level: 0.0000041.	Accuracy Level: 0.0000064.

THE PASSENGER FLOW: MINIMUM CONTACT, MAXIMUM VELOCITY



REMOTE REGISTRATION

Pre-flight app registration combining certificate photography and biometric comparison.



AUTOMATED KIOSKS

On-site flight registration linking passport photos to live camera feeds (1:1).



SECURITY CHECKPOINTS

Verification against initial registration to prevent identity swapping.



BOARDING GATE

Automatic fast-pass entry combining passport and facial recognition without requiring a centralized database.

THE EMPLOYEE NETWORK: SECURING THE INNER COMPARTMENTS



1 DUAL-TRACK CREDENTIALING

All employee passes tagged with facial recognition/entry control. High-security zones require Smart Card + Face (1:1); standard secure doors use Biometrics Only (1:N).

2 ACTIVE BIO-SURVEILLANCE

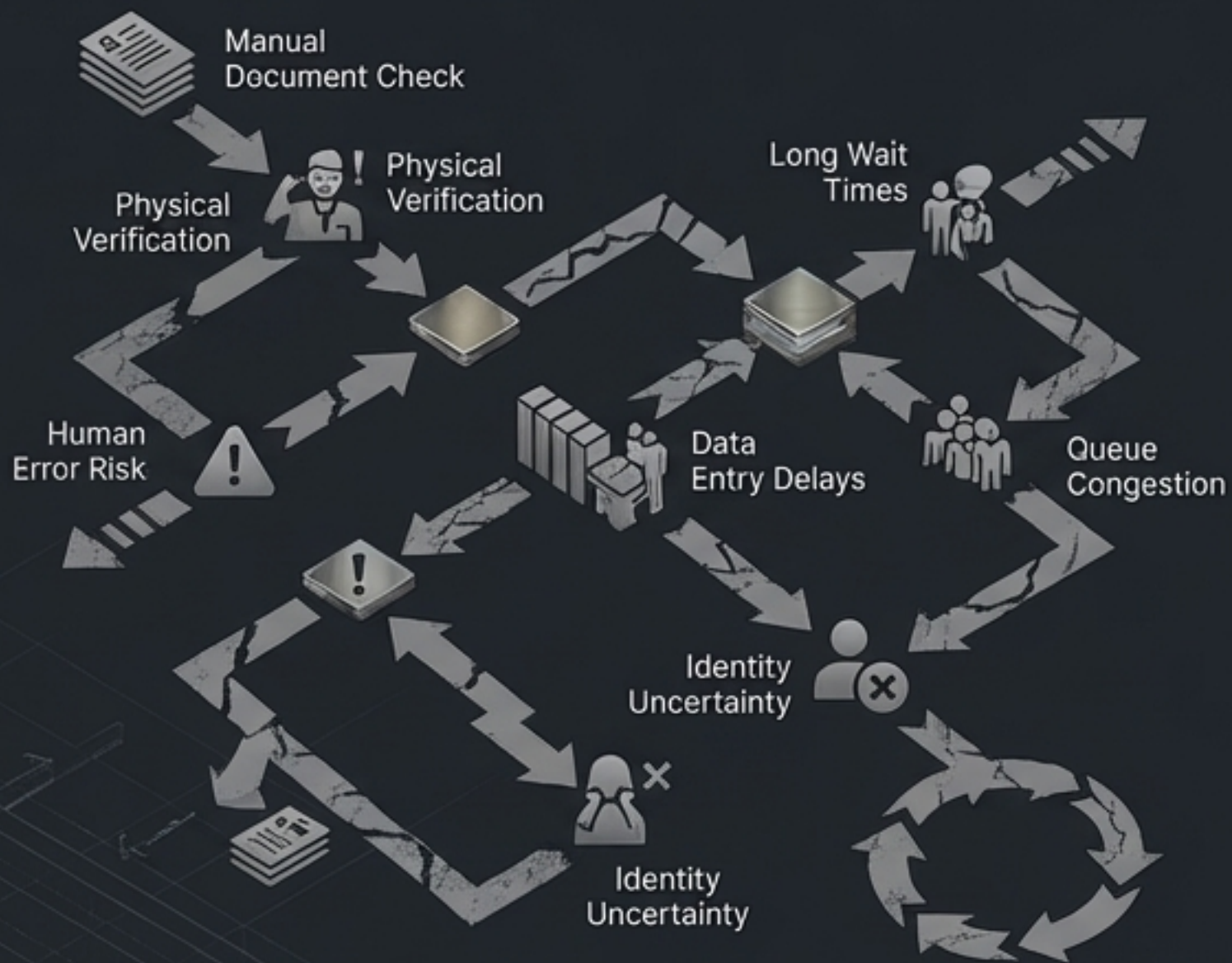
Continuous N:N monitoring of sensitive compartments.

3 INSTANT ANOMALY DETECTION

Immediate alerts if unauthorized employees cross into restricted zones.

BORDER CONTROL: ENGINEERING A 10-SECOND LOOP

THE MANUAL BOTTLENECK



THE CYBERFACE FLOW

SCAN:
ID/Passport scanning and data capture.

CONFIRM:
Automated confirmation of ID number.



MATCH:
1:1 Matching between the live face and the passport record.

ENROLL:
Instant enrollment of face biometrics.

RESULT:
A fully verified immigration and customs checkpoint capable of instantly identifying listed suspects or smugglers.

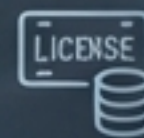
THE ULTIMATE EDGE: REAL-TIME VEHICLE IDENTITY (FLR)

Securing the perimeter means identifying the invisible. The FLR system is designed to provide advance warning of who is arriving, who is leaving, and the exact context of their movement—all at high speed.

Identify faces through a windshield.



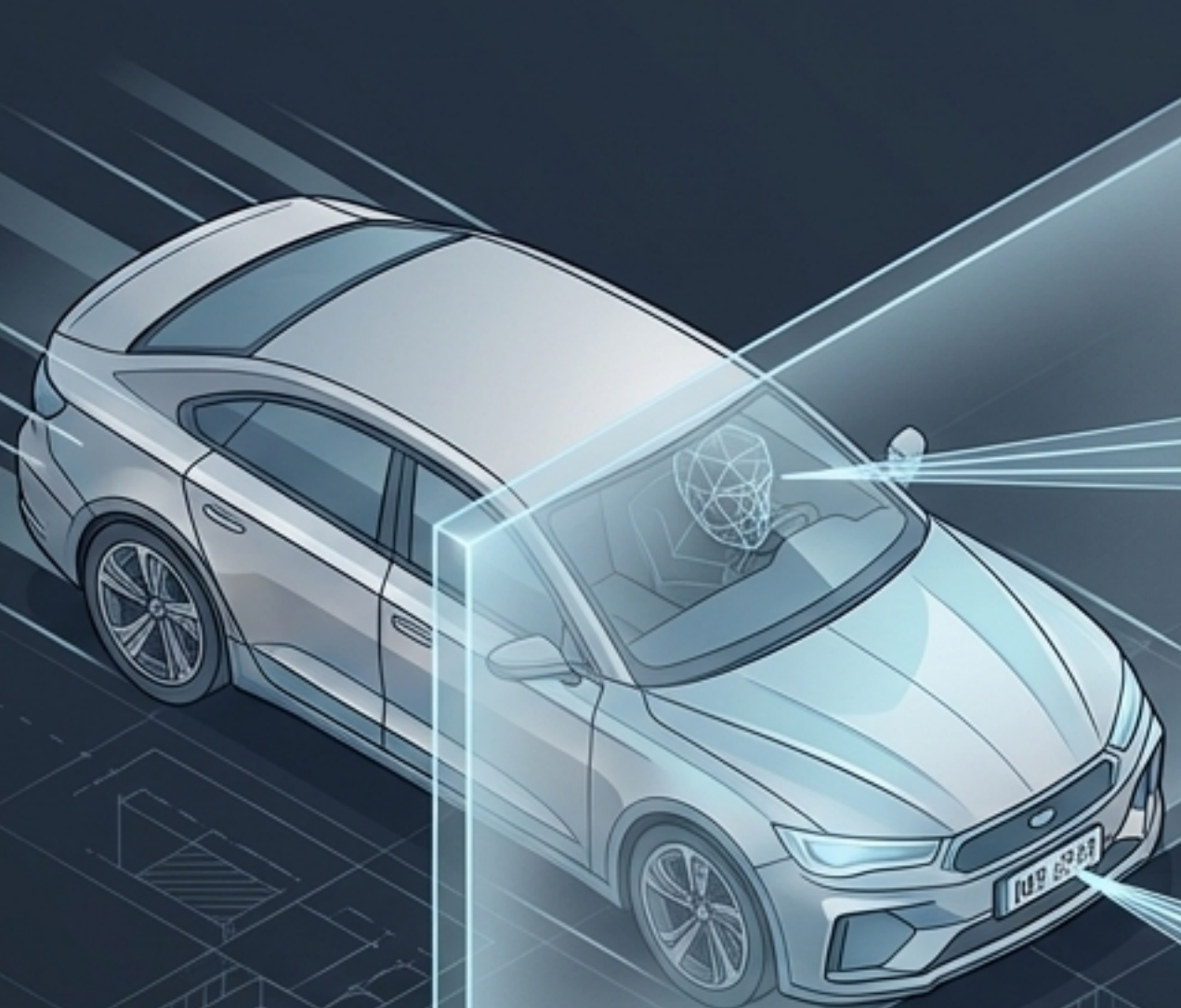
Cross-reference vehicle numbers against watchlists.



Link the driver's biometric identity to the specific vehicle.



CAPTURING IDENTITY AT 40 KM/H IN TOTAL DARKNESS



DRIVER BIOMETRIC ID

Capture and verify the driver's facial biometrics through the vehicle's windshield in real time.

LPR (LICENSE PLATE RECOGNITION)

Simultaneously identify the vehicle's license plate.



DRIVER-VEHICLE LINKAGE

Confirming authorized operator status against live databases in real-time.

**ABSOLUTE
SECURITY**

UNIFIED COMMAND: THE CFA OMNISCIENT NETWORK

**FRICTIONLESS
SAFETY**



**UNMATCHED
EFFICIENCY**

CyberFace does not sell isolated cameras.
We deploy a single, intelligent neural network
that learns its environment.

**FLAWLESS USER
AUTHENTICATION**

THE INVISIBLE MATRIX IS ALWAYS ON

Day and Night.
(Total IR capability)

Pedestrian or Person in Vehicle.
(From gates to 40km/h FLR)

Indoor and Outdoor.
(Environmental adaptability)

Software or Turnkey Product.
(Fully customized in-house)

CyberFace: The definitive biometric identity solution for
the world's most demanding security environments.