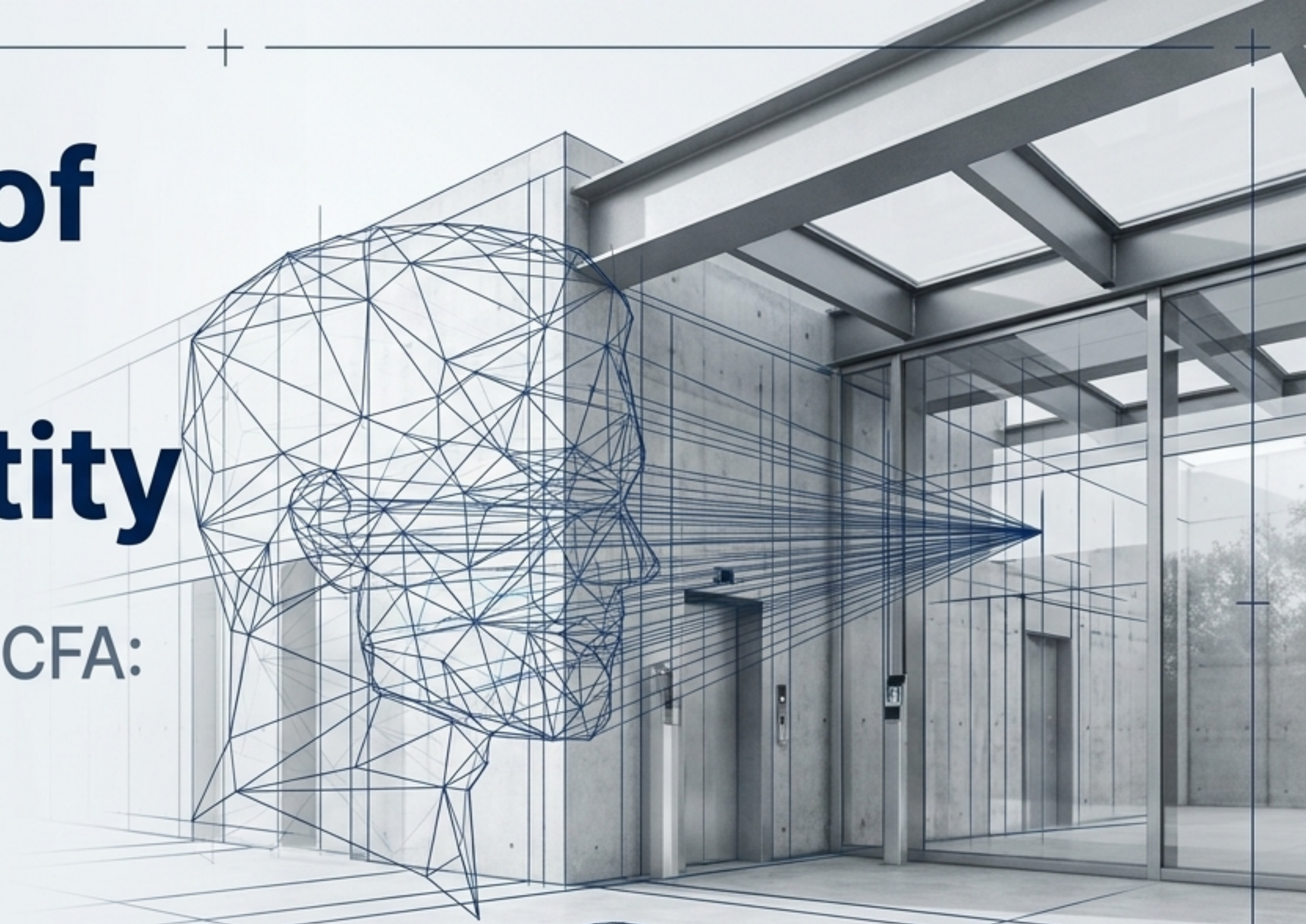


The Future of Biometric Digital Identity

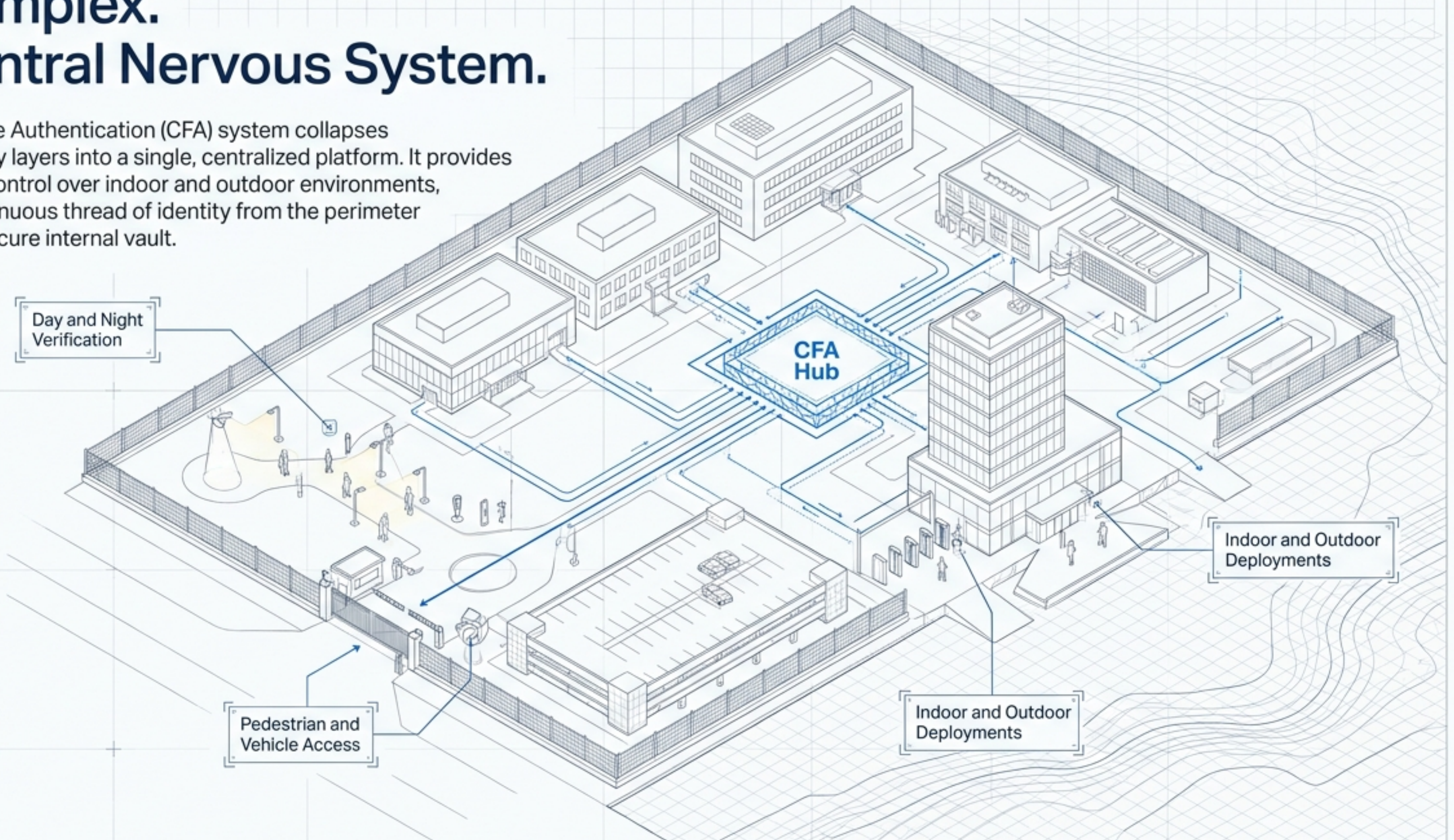
Introducing Cyberface CFA:
The Unified Access
Control System.



CYBERFACE
Biometric Digital Identity

One Complex. One Central Nervous System.

The Cyberface Face Authentication (CFA) system collapses fragmented security layers into a single, centralized platform. It provides seamless, unified control over indoor and outdoor environments, establishing a continuous thread of identity from the perimeter gate to the most secure internal vault.



Flexible Authentication: From Individual to Crowd



1:1 Verification

High-friction, high-security.

Combines biometric face matching with multi-factor smart cards or mobile app sign-in for physical entry control.

STRUCTURAL
MATCHES

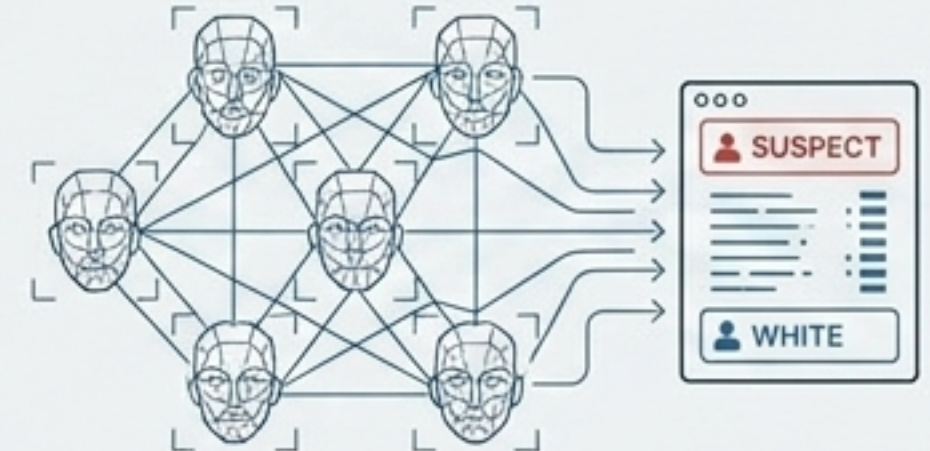


1:N Identification

Frictionless access.

Biometrics-only entry control. The system instantly authenticates individuals against an approved database without requiring secondary credentials.

STRUCTURAL
MATCHES



N:N Bio-surveillance

Mass tracking and monitoring.

Seamless facial recognition entry control that scales to process crowds, automatically matching faces against designated suspect or white lists in real-time.

Advanced Bio-Surveillance Integration

Moving beyond passive observation, CFA acts as an active intelligence layer, integrating multi-detector capabilities to track, count, and alert security personnel instantly.



Human Detection:

Identifies overall presence and movement patterns.

Skeleton Detection:

Analyzes posture, gait, and potential physical anomalies or threat behaviors.

Face Detection:

Locks onto identities, executing continuous reverse exploration and real-time cross-referencing against active watchlists.

The Ultimate Environmental Challenge

True security cannot be dictated by lighting conditions. Identifying individuals in total darkness remains the single greatest hurdle in biometric access control. Cyberface eliminates this blind spot.



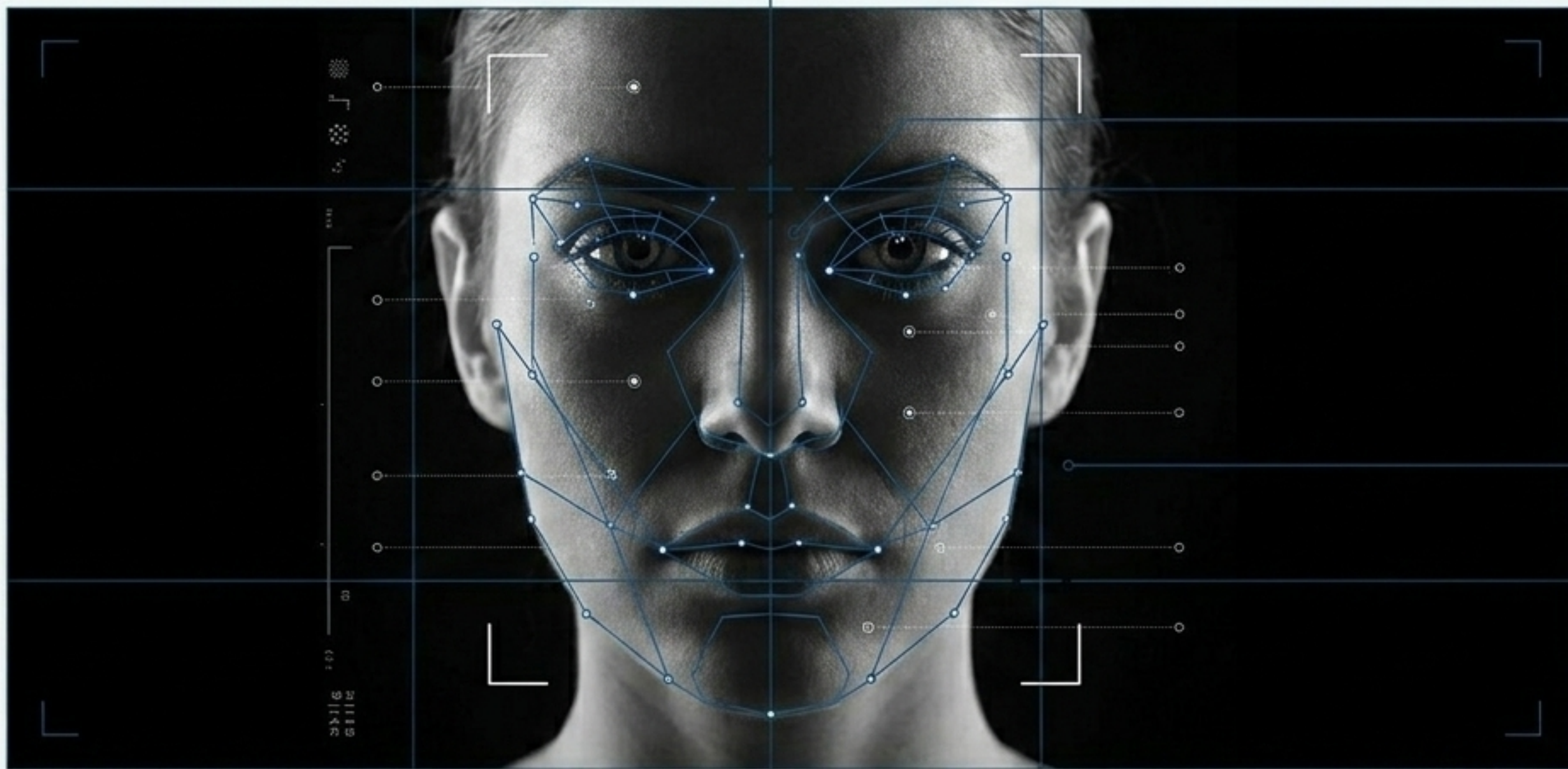
Ambient Light Dependence



Structural Geometry Recognition (Zero-Light)

Uncompromised Infrared Facial Recognition

CFA's advanced night capabilities operate flawlessly in 0-lux total darkness.



Structural Topography:

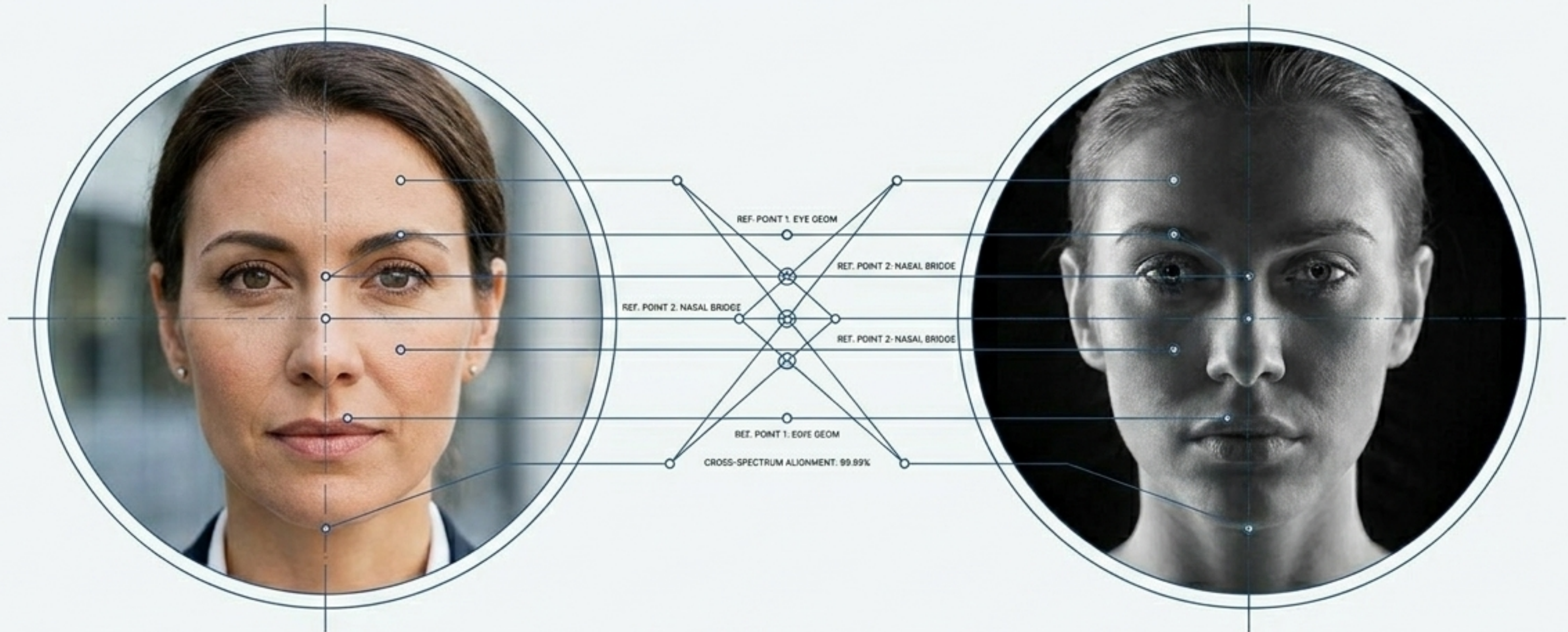
The system maps deep facial geometry using an invisible IR net, unaffected by shadows or lack of ambient light.

Anti-Concealment:

Successfully overcomes standard nighttime visual obstructions, easily mapping faces hidden behind sunglasses or partial masks.

Instant Cross-Spectrum Matching

Traditional systems require building entirely separate databases for night-vision imagery. Cyberface renders this obsolete.



The Advantage: Our algorithm instantly and accurately compares standard daytime color images directly against live night-vision IR captures—and vice versa. One enrollment. Total 24/7 coverage.

Extending the Perimeter: FLR

Securing the building is only half the equation. Cyberface FLR is a dedicated, real-time Driver and Vehicle Identification system designed to push your security perimeter out to the road.



Dynamic Verification in Motion

Target: Windshield.

Through-Glass Recognition: Identifies and verifies the driver's face directly through the glare of the vehicle windshield.

Target: Identity Matrix.

Relational Linking: Automatically links the verified driver (face) to the specific authorized vehicle (plate).

Target: Front Bumper.

Simultaneous LPR: Captures and instantly cross-references the license plate against active suspicious lists.

Target: Velocity Tracker.

Zero-Friction Access: Performs the entire verification and matching process accurately on vehicles moving at speeds up to 40 km/h.



Absolute Security. Absolute Privacy.

Cyberface CFA is built securely by design, ensuring strict privacy compliance and eliminating massive data liabilities.

The Privacy Equation



Face Scan



Encrypted Vector



Image Deleted



Secure Vault

The Process: The system relies entirely on encrypted mathematical vectors. It does not collect or store actual photographs. Because there is no traditional image database, there is no identifying visual information available to be compromised or hacked.

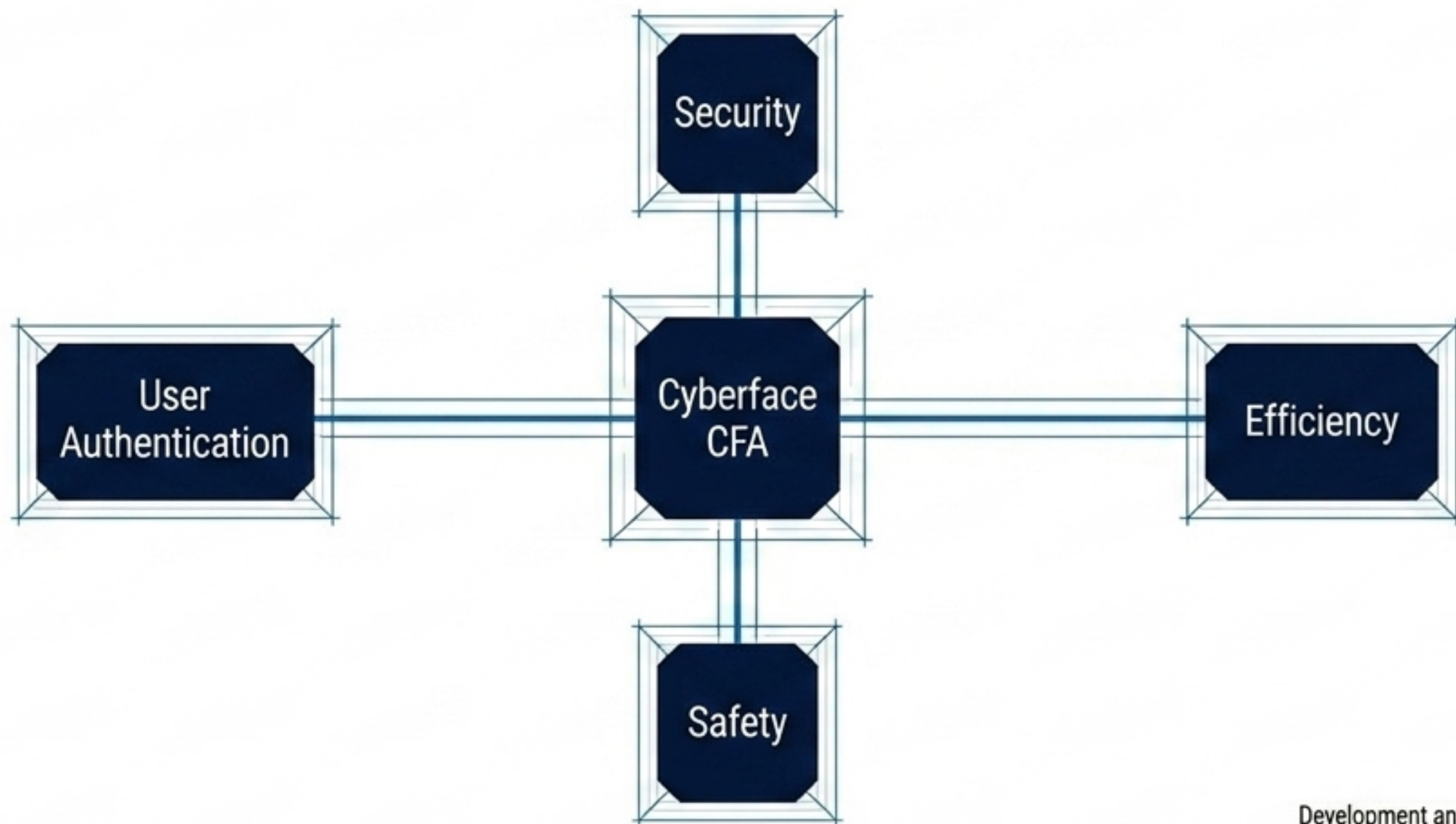
Uncompromising Mathematical Accuracy

Engineered for the highest security environments, the Cyberface system operates at an unprecedented Level 1:10,000 to 1:120,000 product standard.

1:1 Access Control Error Rate	0.00000001
1:N Access Control Error Rate	0.00000041
N:N Bio-surveillance Error Rate	0.00000064

The Cyberface Advantage

A completely unified, deeply innovative digital identity ecosystem. From 0-lux total darkness to verification at 40 km/h, Cyberface delivers unmatched ROI by eliminating operational friction while mathematically guaranteeing perimeter and internal security.



Development and engineering conducted entirely in-house.