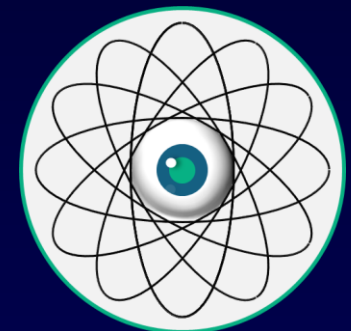


# Retica Technologies

Transforming identity authentication and resource access



Retica pitch deck

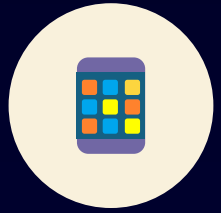
May 2025

<https://www.retica.io> | jon@retica.io (or josh@)

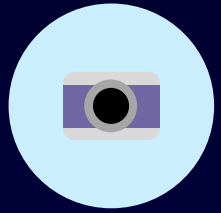
# Problem: Digital exhaust



Passwords, PINs, and single biometrics are outdated and breach-prone.



Traditional MFA/2FA increases friction without solving core security issues.



Other resource access solutions outdated (e.g., QR codes).



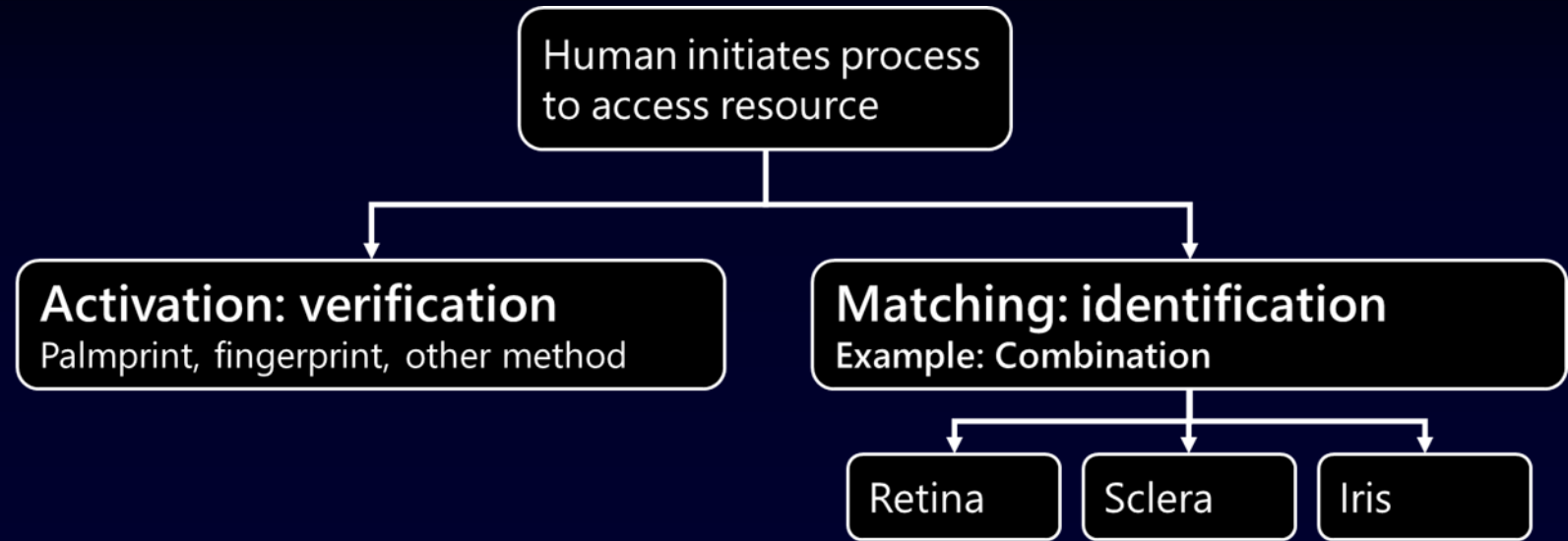
Authentication complexity reduces productivity, degrades wellbeing, and increases trust requirements.



# Solution: Activation-match

## Activation-match

A multi-modal biometric identity authentication and resource access system.

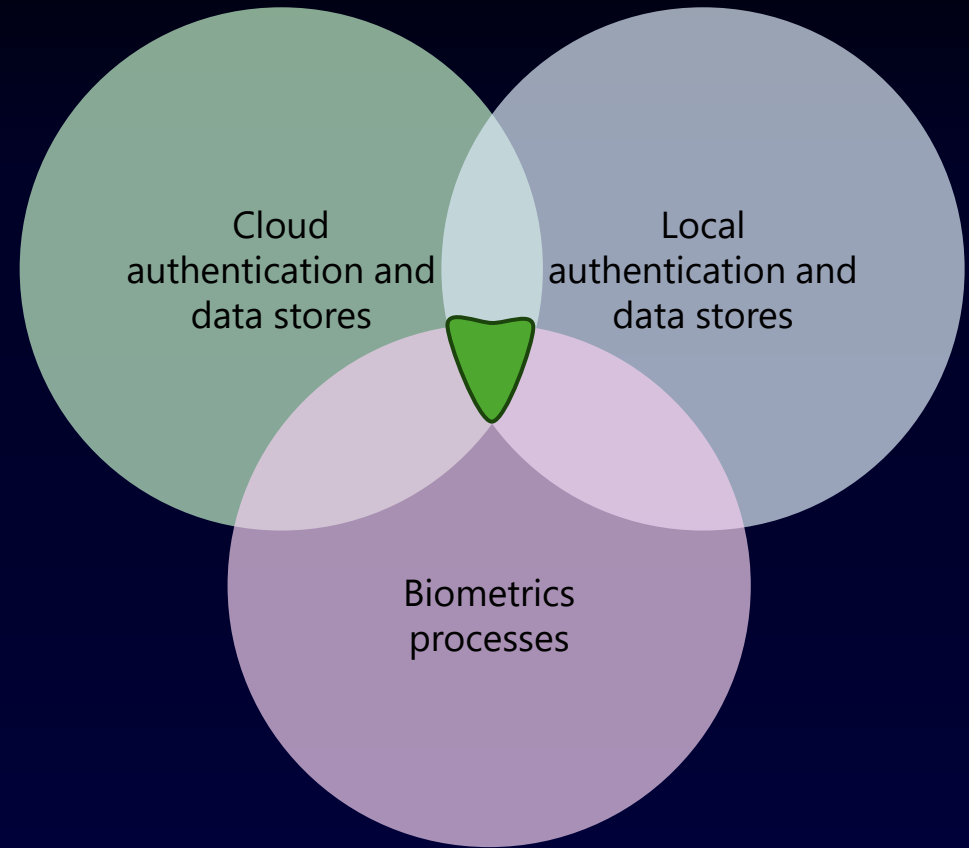


- Simultaneous, independent multi-modal biometric identification and verification processes
- Fragmentation and distribution of data across local and cloud
- Encrypted, local and cloud-processes protecting isolated data
  - No PII in cloud

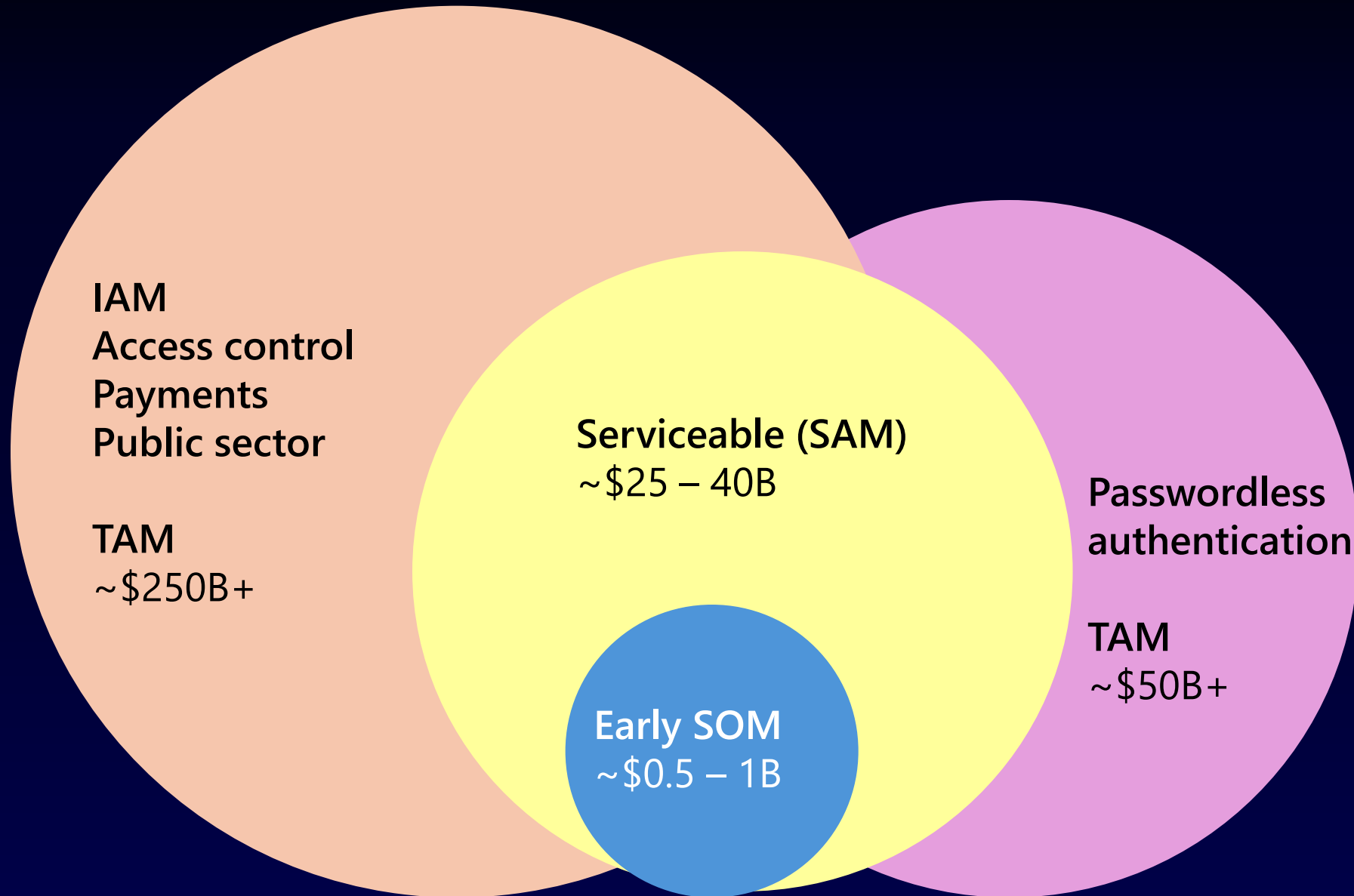


# Technology advantage

- **Local activator:**  
Fingerprint/palmprint verification (device-stored).
- **Cloud matcher:** Retina, sclera, iris identification (global templates).
- **Zero knowledge distributed architecture:** No PII in cloud, randomized code chains using non-predefined code.
- **Zero trust:** No single point of failure.



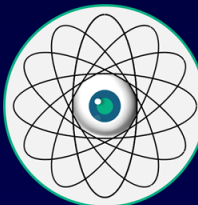
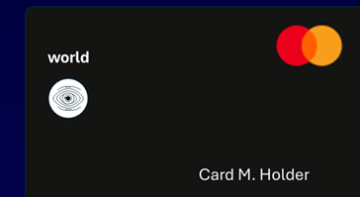
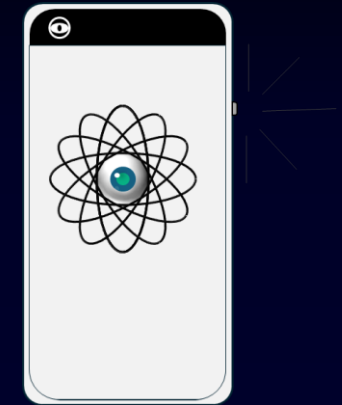
# Market opportunity



# Business model

Marketing reflects potential, not actual, partnerships

- B2B and B2G, API/SaaS licensing
- Hardware/software integrations with major platforms
- Strategic partnerships and pilots
- Subscription-based and transaction-aligned revenue streams
  - Value-based revenue streams



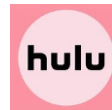
Marketing reflects potential, not actual, partnerships

# Go-to-market strategy

- Government and public sector pilots (TSA, DHS focus)
- Strategic partnerships: device makers, financial services, infrastructure
- Direct enterprise sales
- Industry conference demos (security at entrance) and early adoption programs

## Potential partnerships and customers

MTA New York City Subway



# Competitive landscape



- Traditional identity management
- Single-biometric and 2FA/MFA
- Limited biometric integration



- Local verification only
- Information bias in templates
- Single point of failure



- Passkey-based authentication
- Limited to device ecosystems or specific apps/sites
- Single point of local failure



- Multi-modal biometric solution
- Independent, simultaneous processes
- Fragmented, distributed data
- Local data secured by activation-match

## Our difference

Mathematically superior security organically interested in driving unmatched human experience.





# Financial projections

- Scenario: Partner with **largest** smartphone maker
- Phone maker sells **200M** phone units/year; Retica captures **\$10/unit in revenue**.
- Projected revenue: **\$2B**

## Margin assumptions

- COGS *35% sales*
- SG&A *20% sales*
- R&D and licensing *25% sales*
- D&A *5% sales*

## Financial statement outputs

- Sales \$2 billion
- Gross income \$1.4 billion
- EBITDA \$500 million
- EBIT \$400 million

Only-positive EBITDA public companies in “software” sub-verticals implies enterprise values of **\$11B – 18B**.



# Funding ask

- Raising \$1M at \$5M, pre-money valuation
- Use of funds:
  - Development of government/military-grade applications/CRADA
  - TSA Passenger Identity Verification opportunity
  - Strategic integrations and pilots for government partners for high-grade security market applications



# Team

Jonathan Newman, CEO and cofounder

Josh Woolf, Business Development/Sales and cofounder

Ganesh Kudtarkar, Campus engineering team

Supported by experienced advisors in tech, government, finance, and healthcare.

## Our team

- Experienced and intentional
- Cybersecurity, corporate, and government backgrounds
- Mission- and impact-driven



# Closing

Thank you.

Join us in transforming security and human experience.

We hope you enjoy the ride as much as we do.

<https://retica.io> | [contact@retica.io](mailto:contact@retica.io)

