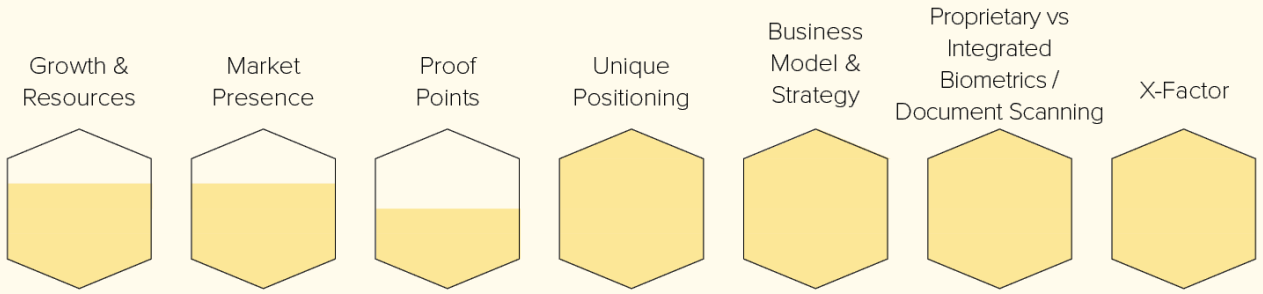
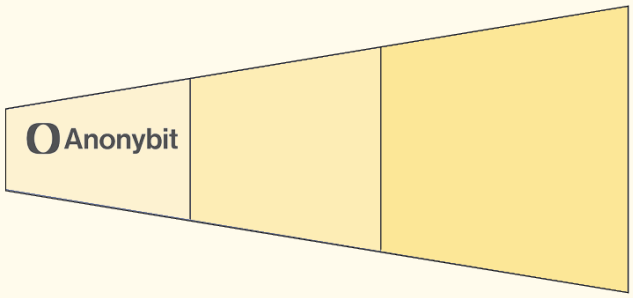
Anonybit

anonybit.io

BEAM: **Biometric ID Platform** / CLASSIFICATION: **Luminary**





Anonybit's one-of-a-kind biometric digital identity platform takes a unique approach to data storage, breaking up biometric templates into encrypted fragments and distributing them across a network. This approach naturally eliminates honeypot risks while protecting user privacy and enabling convenience without sacrificing security. Its flagship product, Anonybit Genie, unifies the user lifecycle, carrying strong identity assurance from onboarding to authentication and account recovery. Bolstered by Anonybit's decentralized biometric cloud and decentralized data vault, Genie supports all biometric modalities and clocks amazing speeds, preforming 1:1 matching in under 200 milliseconds and 10 million 1:N searches in a split second.

Its breadth of application demonstrates how the identity principles championed by Anonybit are central to life in the age of digital transformation. With Anonybit, hospitality chains of all sizes can streamline customer experience, enhance compliance posture in relation to GDPR, CPRA, and other, emerging regulations, while also bringing a secure and convenient element to guest flow. In the public sector, the company's decentralized approach to storage and matching ensures that the data breaches of the past—like the 2015 Office of Personnel Management (OPM) disaster—are impossible. And in the financial services sector, Anonybit is fighting in the fraud arms race. A Tier 1 Latin American bank is using its technology to prevent synthetic identities and account take over fraud, running 1:N matches on every account opening and 1:1 matches for every account recovery requests. Boasting zero processing failures to date, Anonybit is saving the banking group money through automation and defending it from modern identity threats. That's the power of biometrics at the core.

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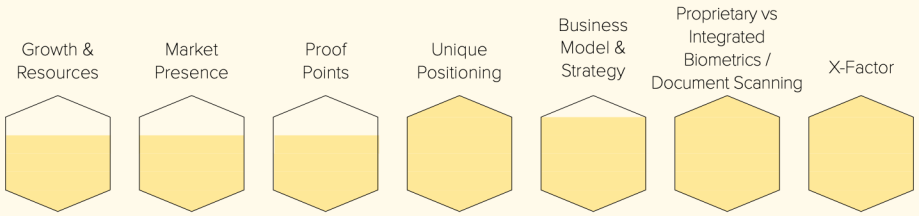

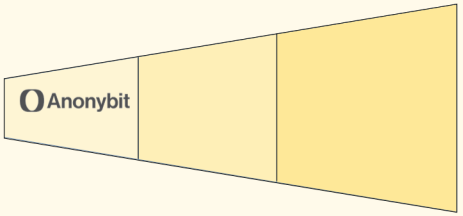

Anonybit takes a one-of-a-kind approach to biometric storage and management, breaking biometric templates into encrypted fragments and securely distributing them across a network. And it works—naturally eliminating honeypot risks and privacy concerns. Relatively fresh on the scene, the company is already seeing major successes on its quest to connect digital onboarding to downstream identity processes, closing what CEO Frances Zelazny calls “the Circle of Identity.” Its flagship product, Anonybit Genie, unifies the user lifecycle, carrying strong identity assurance from onboarding to authentication and account recovery. Genie is enabled by Anonybit’s decentralized biometric cloud and decentralized data vault. It supports all biometric modalities and clocks amazing speeds, preforming 1:1 matching in under 200 milliseconds and 10 million 1:N searches in a split second.

A tier 1 Latin American banking group in Colombia, serving 14 million customers through retail banking and its P2P platform leverages Anonybit’s technology to great effect thanks to an integration with standard IDV provider Ado Technologies. To enable self-service and account recovery applications for the banking group, Ado needed a solution to safely manage and store biometric data, so it turned to Anonybit. In less than two weeks, the biometrics firm set Ado up with a biometric storage and management facility, enabling the full range of biometric functionality needed with the highest level of privacy. Now, Anonybit runs 1:N matches on every account opening, and 1:1 matches for every account recovery request made by the bank’s clientele. With zero processing failures to date, Anonybit is saving the banking group money, specifically help desk and in-branch processing costs, which Forrester pegs at $70 per event. When a Biometric Identity Platform Luminary like Anonybit is orchestrating identity processes, financial services providers benefit from the convenience and speed of automation without compromise. Anonybit is a recommended vendor for financial services players seeking a full lifecycle identity orchestration solution with biometrics at the core.

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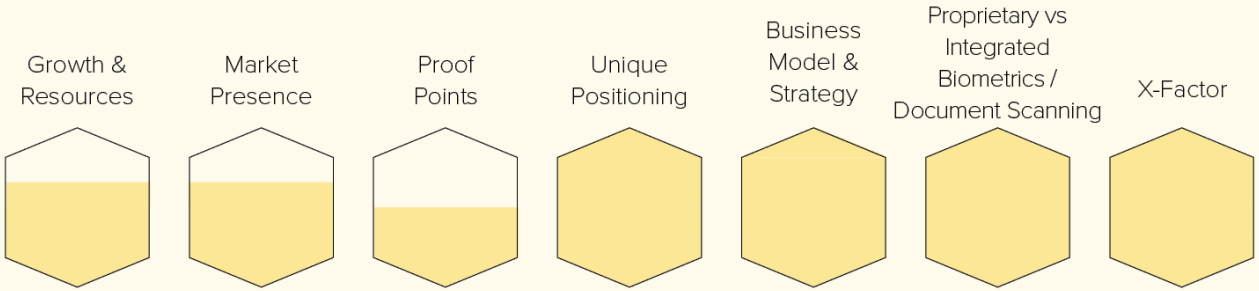

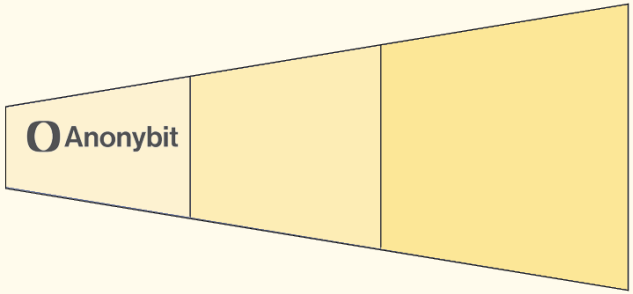

Committed to enabling a privacy-by-design framework for the entire identity ecosystem, Anonybit's one-of-a-kind technology breaks up biometric templates into encrypted fragments and distributes them across a network, naturally eliminating honeypot risks and protecting user privacy. This unique approach to decentralized biometric storage underpins the company's flagship product, Anonybit Genie, which unifies the user lifecycle. In an identity landscape characterized by siloed processes and point-solutions, Genie closes the gap between digital onboarding and downstream identity processes like device binding, authentication, and account recovery. Able to perform 1:1 matching in under 200 milliseconds and 10 million 1:N searches in half of a second, Genie makes Anonybit's elegant vision biometric digital identity a reality, closing what CEO Frances Zelazny calls "the Circle of Identity."

Anonybit shines especially bright in the hospitality space. By adopting Anonybit's open platform—which supports face, palm, and other biometric modalitlies—hospitality chains of all sizes can address the full spectrum of Prism Lens industry challenges. Its omni-channel, streamlined customer experience enhances compliance posture in relation to GDPR, CPRA, and other, emerging regulations, while also bringing a secure and convenient element to guest flow, enabling trusted self check-in and check out. Anonybit also brings the assurance of "who you are" to loyalty programs, which it keeps clean and fraud-free thanks to its authentication and deduplication capabilities. It can enable biometric payments online, offline, and over the phone, too. Anonybit even reaches across the counter, offering operational identity management for employee access and time and attendance. As the travel and hospitality sector evolves and expands based on customer demand, the number of fraud vectors facing hospitality providers multiplies. Anonybit's platform scales to fill in the identity gaps inherent to company growth while offering a simple and consistent selfie biometrics user experience. This Prism Luminary exemplifies the power of a platform approach to biometric digital identity in a dynamic and competitive sector.

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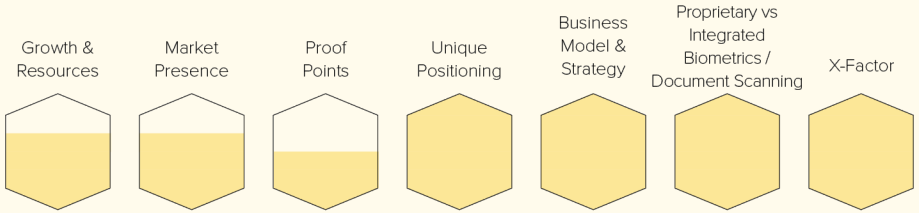

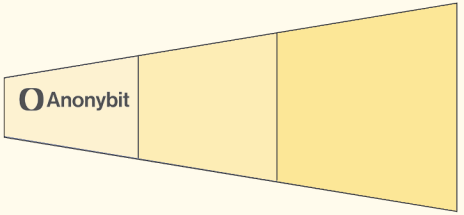

Using biometrics for the high-risk applications of government services is a risky proposition, one that often requires compromise between user experience and security. Anonybit changes that. This Prism Luminary's one-of-a-kind technology takes a unique approach to data storage, breaking up biometric templates into encrypted fragments and distributing them across a network. This naturally eliminates honeypot risks—in which rich stores of valuable data are targeted by hackers—while protecting user privacy and enabling convenience in lock step with security. The data protected by Anonybit does not need to be reassembled from its fragments to be matched, allowing it to be used as a single source of identity for the entire identity lifecycle, enhancing privacy, security, and compliance while enabling transactions at every level of the Prism Identity Hierarchy. And it's flexible. Compatible with all biometric modalities—including face, fingerprint, voice, and iris recognition—Anonybit's biometric identity platform can perform 1:1 matching in under 200 milliseconds and 10 million 1:N searches in a split second.

In an era defined by fraud and cyber-attacks, Anonybit secures government agencies from threats in both citizen-facing contexts and employee-facing applications. Its decentralized approach to storage and matching ensures that the data breaches of the past—like the 2015 Office of Personnel Management (OPM) disaster that affected 22.1 million records and saw the theft of 5.6 million fingerprints—are impossible. Meanwhile, it's 1:N search capabilities allow for deduplication, ensuring a user's records are all only associated with their individual biometrics, thereby creating efficient and clean databases and preventing synthetic identities from taking root. Perhaps most importantly, Anonybit's technology enables biometric enrollment and subsequent authentication that's robust against deepfakes and AI-based fraud attacks, ensuring that every point of contact between a user and their government is facilitated by unimpeachable biometric identity. From onboarding, through authentication, to account recovery, Anonybit's elegant vision of uncompromising identity is set to be a boon for governments and their citizens, closing what CEO Frances Zelazny calls "The Circle of Trust."

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