



Anti Linear Technologies

Beyond Linearity

Anti Linear Technologies (ALT) is a forward-thinking technology company dedicated to building enterprise-grade digital solutions that address the most complex operational, security, and organizational challenges of the modern era. Established with the foundational belief that technology should simplify complexity rather than create it, ALT focuses on designing robust platforms that deliver measurable, sustained impact through continuous innovation, unwavering reliability, and seamless scalability. In a digital landscape often cluttered with fragmented tools and convoluted processes, our approach cuts through the noise to provide clear, actionable, and unified technological pathways.

We recognize that true technological resilience cannot be mass-produced. Rather than relying on out-of-the-box automation, our primary service model is fundamentally anchored in manual engineering precision. We believe that addressing complex enterprise challenges requires a deeply human touch. Careful planning, custom coding, and strict reviews ensure every line of code has a clear purpose, deliberate purpose, eliminating the bloat and unpredictability often associated with heavily automated deployment pipelines.

Today's organizations are navigating unprecedented volumes of data, legacy system bottlenecks, and rapidly shifting market demands. To combat these frictions, our engineering philosophy is rooted in creating intuitive architectures that align perfectly with the strategic objectives of our clients. By prioritizing user-centric design alongside deep technical rigor, we ensure that every system we deploy not only meets immediate operational needs but also possesses the agility to evolve alongside future technological advancements.

Operating at the critical intersection of advanced software engineering, comprehensive digital transformation, and real-time operational intelligence, the company develops dynamic solutions that empower organizations to modernize outdated workflows. Our work spans a diverse array of public sector institutions, dynamic commercial enterprises, and rapidly emerging digital ecosystems. By transforming raw data into strategic assets, we enable our clients to improve complex decision-making processes and significantly strengthen their overall operational resilience.

This resilience is particularly crucial as organizations attempt to adapt confidently to an increasingly connected and unpredictable world. Whether we are architecting secure frameworks for government entities or building high-traffic digital platforms for private corporations, our focus remains on facilitating a seamless flow of information. We bridge the gap between physical operations and digital oversight, ensuring that our partners can anticipate challenges, mitigate risks, and respond to global market shifts with unprecedented speed and accuracy.

The company specializes in a comprehensive suite of services, including high-availability enterprise software, scalable infrastructure platforms, predictive operational intelligence systems, intuitive mobile applications, and entirely custom-built digital products. Rather than offering one-size-fits-all software, we immerse ourselves in the unique business logic of each partner. This deep integration allows us to architect bespoke digital ecosystems that eliminate operational redundancies, automate routine tasks, and optimize resource allocation across the board.

Every single solution that leaves our development pipeline is built with a rigorous, unyielding emphasis on optimal performance, ironclad security, long-term maintainability, and sustainable value creation. We embed advanced cybersecurity protocols and compliance measures directly into the foundational code, ensuring that sensitive data remains protected against an ever-evolving landscape of digital threats. Furthermore, our commitment to clean, well-documented codebases guarantees that the platforms we build today can be easily maintained, audited, and expanded upon by the developers of tomorrow.

Today, Anti Linear Technologies continues to aggressively expand its portfolio through a strategic combination of highly specialized proprietary products, synergistic global partnerships, and holistic digital transformation initiatives. We actively invest in internal research and development to stay ahead of the curve in emerging technical fields, continuously exploring new ways to process information and deliver value faster. By fostering a culture of relentless curiosity and technical excellence within our own teams, we ensure that our capabilities continuously expand to meet the growing ambitions of the clients we serve.

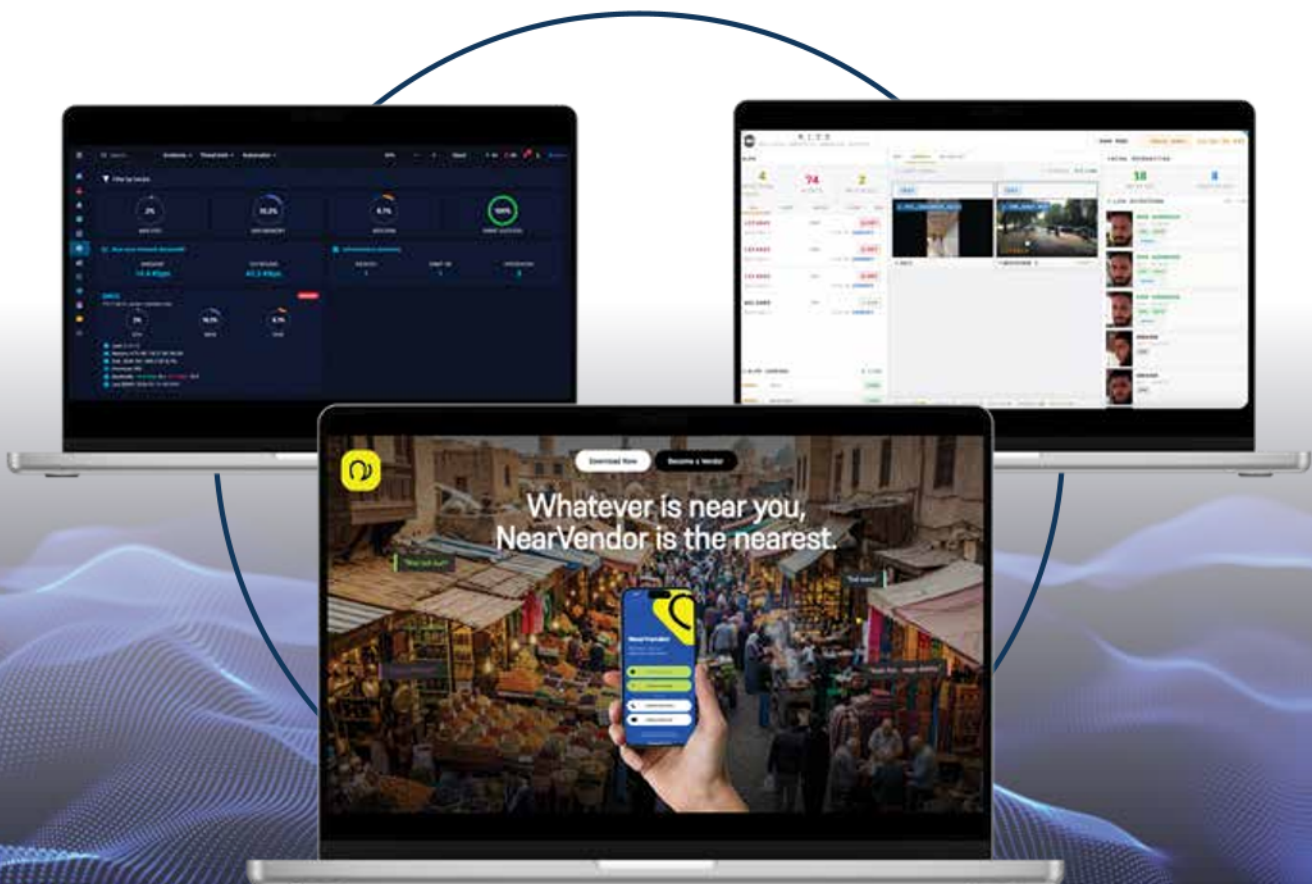
Ultimately, these multifaceted efforts contribute directly to the broader advancement of technology adoption and digital maturity, both within Pakistan and on the global stage. Anti Linear Technologies remains steadfast in its mission to be more than just a software vendor; we strive to be a transformative strategic partner in the digital age. By relentlessly pushing the boundaries of what is possible, we are helping to engineer a future where technology acts as an invisible, empowering force that drives organizational potential to new, unprecedented heights.

Our Journey

From its inception, Anti Linear Technologies has focused on solving practical challenges through purposeful technology. Rather than pursuing technology for its own sake, the company has consistently prioritized solutions that create tangible value for users, organizations, and communities.

Over the years, ALT has evolved from a software development organization into a multidisciplinary technology company capable of delivering end-to-end digital solutions. Through continuous investment in research, engineering excellence, and product development, the company has established capabilities across multiple domains including operational intelligence, enterprise systems, digital commerce, crowdfunding, sustainability technology, and public-sector modernization.

This growth has been driven by a commitment to innovation, technical excellence, and an unwavering focus on addressing real-world problems through scalable digital infrastructure.



The Anti Linear Vision

To evolve into a globally recognized technology vanguard, dedicated to engineering intelligent, ironclad, and infinitely scalable digital infrastructures that fundamentally transform industries and empower organizations at a systemic level. We envision a future where complex operational bottlenecks are dismantled through deliberate, manual engineering precision, rather than obscured by automated, out-of-the-box bloat.

Our ambition is to architect platforms that are structurally sound and unapologetically minimalist, stripping away superficial aesthetic clutter—such as unnecessary gradients or distracting visual noise—to deliver pure, unadulterated performance.

The suspension bridge has been used to symbolise the Anti Linear Technologies Vision from its deep bedrock anchors to its extending spans. The bridge is a symbol of engineered strength, deliberate and secure, a framework that continues to scale and support vital ecosystems year after year.





The Anti Linear MISSION

To design, develop, and deploy world-class digital solutions that solve the most complex organizational challenges, fundamentally redefining how modern enterprises operate. We are committed to architecting intelligent systems that go beyond superficial automation, focusing instead on deep, structural improvements that guarantee operational excellence and drive measurable, sustainable value across every layer of an organization.

By prioritizing deliberate, manual engineering precision over mass-produced, out-of-the-box tools, we ensure that every platform we deploy is intrinsically secure, resilient, and flawlessly aligned with our partners' strategic objectives. We systematically strip away unnecessary digital bloat to build streamlined, high-performance infrastructures capable of acting as the load-bearing foundation for both immediate workflows and long-term scalability.



COMPANY AT A GLANCE

ALT EXPERTISE & CAPABILITIES

Enterprise Software Development

ALT develops custom enterprise software designed to support complex operational environments. Solutions are engineered to improve productivity, simplify workflows, and enable organizations to operate more efficiently.

Digital Transformation

The company assists organizations in modernizing legacy systems, digitizing manual processes, and implementing technology-driven operational frameworks.

Operational Intelligence

Through advanced monitoring, analytics, and reporting systems, ALT enables organizations to gain real-time visibility into critical operations and make informed decisions.

Systems Architecture

ALT designs scalable technology architectures capable of supporting mission-critical workloads while maintaining reliability and performance.

Cybersecurity & Operations

Security is integrated into every stage of the development lifecycle. Solutions are designed to protect data, strengthen governance, and reduce operational risk.

PROPRIETARY PRODUCTS



JANUS

Joint Analytics and Unified Security



The world of enterprise infrastructure has long suffered from a critical divide between the separation of performance monitoring and threat defense. JANUS eliminates this blind spot. Named for the Roman deity who looks in two directions simultaneously, JANUS is the world's first Secure Network Operations Center platform. It looks inward at the operational pulse of your infrastructure while simultaneously looking outward at the evolving threat landscape, converging NOC and SOC capabilities into a single, unified operational matrix.

2-in-1

Unified SNOC Matrix

Fuses Network Operations Center (NOC) performance monitoring and Security Operations Center (SOC) threat defense into a single, cohesive intelligence engine.

0 Blind Spots

Continuous dynamic topology mapping visualizes all enterprise edge devices, logical links, and service dependencies to instantly trace the blast radius of any anomaly.



< 1 ms

Threat-to-Outage Correlation

Instantly cross-references network degradation with active security telemetry, determining immediately if a system failure is a routine hardware drop or an active cyberattack.

10M+

Packets Per Second

High-performance, lightweight ingestion architecture analyzes massive streams of Syslog, NetFlow, and SNMP data at line rate without bottlenecking core gateways.

MITS

Multiple Identity Tracking System



In the modern digital landscape, the perimeter is no longer defined by firewalls or physical networks; the perimeter is the identity. As organizations scale, they face an explosion of digital identities, from employees and contractors to IoT devices, APIs, and automated service accounts. The Multiple Identity Tracking System (MITS) is engineered to conquer this complexity. It is an advanced, enterprise-grade platform designed to support comprehensive identity management, continuous monitoring, zero-trust verification, and actionable operational intelligence, transforming fragmented user data into a unified, dynamic identity fabric.

MITS goes beyond traditional identity and access management by operating on the principle of continuous identity lifecycle management rather than focusing solely on point-in-time authentication. It dynamically maps relationships between users, the devices they operate, the locations they log in from, and the data they access to create a multidimensional, centralized identity graph. This allows for automated provisioning, de-provisioning, and role-based access control adjustments based on organizational changes. Furthermore, it features dedicated tracking for non-human identities, efficiently managing the lifecycles, secrets, and behavioral boundaries of APIs, bots, and microservices.



See Everything

Everywhere

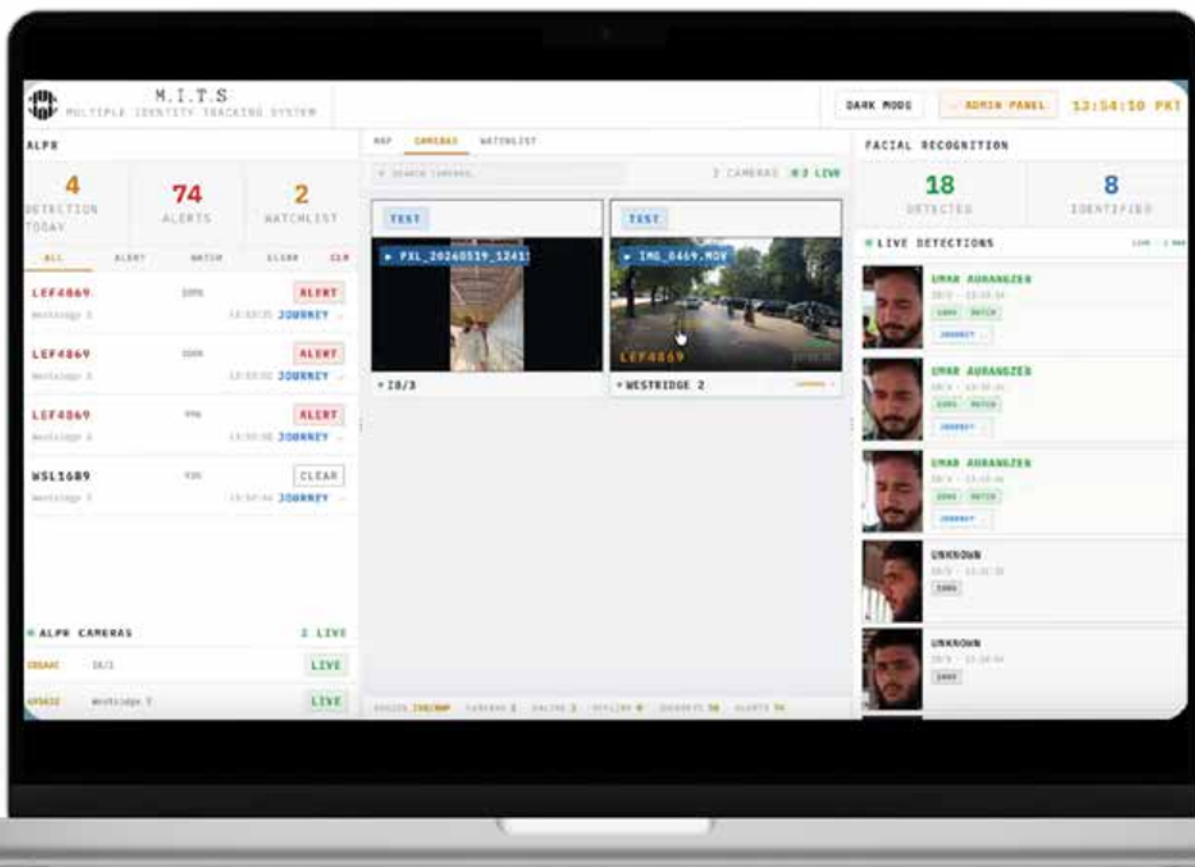
160x smaller

< 3 seconds

Ultra-compact C/C++ engine runs efficiently on existing lightweight roadside CPUs without framework bloat.

Compressed biometric profiles allow storing watchlists of up to 500 million identities directly in active RAM.





Unlimited Feeds

Supports Unlimited camera streams locally on a standard low-cost CPU, saving substantial GPU CapEx.

0%

Cloud Dependency

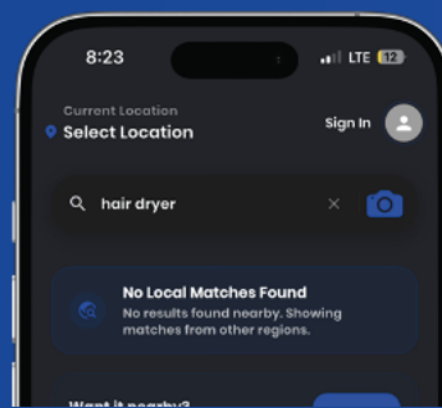
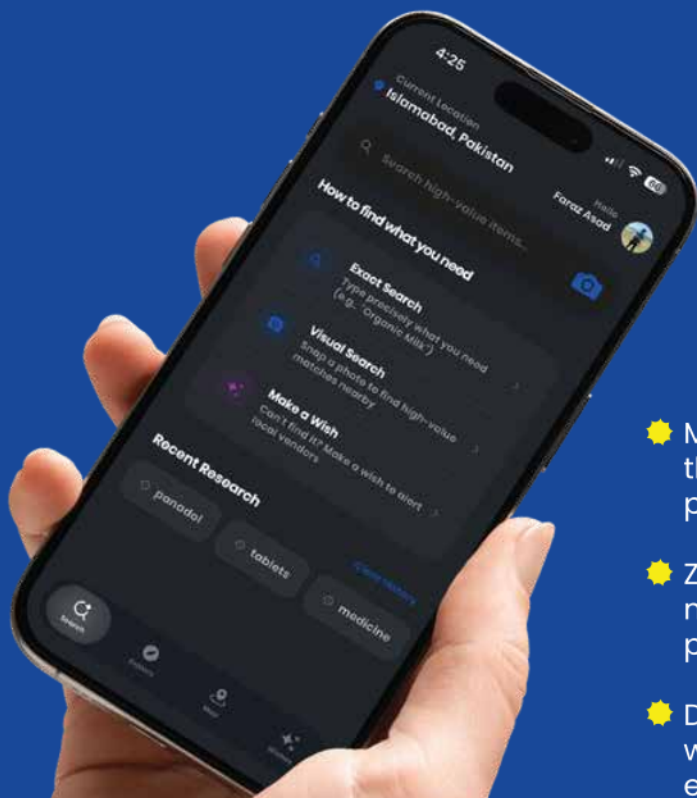
Performs instant face and plate comparisons locally, immune to WAN internet blackouts or load-shedding drops.

NearVen Sath

- ☀ Real-Time Search: Search for specific products and see which local shops have them in stock right now.
- ☀ Support Small Businesses: Directly empower the neighborhood retailers and vendors that keep your community alive.
- ☀ Zero Middlemen: Connect directly with vendors for fair pricing and instant availability.

Khawari

- ☀ Massive Footflow: Get discovered by thousands of customers walking right past your lane.
- ☀ Zero Complex Tech: List your inventory in minutes with our streamlined vendor portal.
- ☀ Direct Growth: Keep 100% of your profits while expanding your local digital presence.



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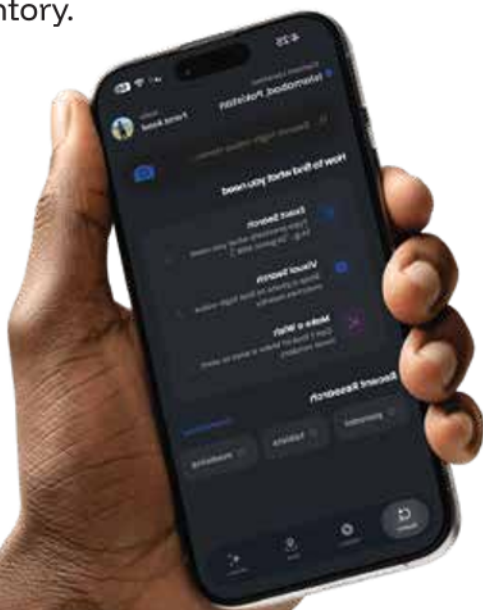
NearVendor

A Discovery Search Engine



The digital age has fundamentally changed how we search for products, yet it has created a massive blind spot: the immediate physical world around us. While consumers can easily find an item in a warehouse a thousand miles away, they often have no way to know if that exact same item is sitting on a shelf three blocks down the street. NearVendor is engineered to eliminate this blind spot. It is a transformative, hyper-local product discovery search engine designed to bridge the gap between digital intent and physical retail. By focusing entirely on visibility rather than facilitating online transactions, NearVendor acts as the definitive index for local, real-world inventory.

Built to process complex, localized data streams with zero friction, the platform operates on a powerful discovery engine. It integrates seamlessly with the existing inventory management systems of local merchants, continuously indexing item-level data to provide an accurate, real-time reflection of what is actually available in-store. The core algorithm relies on precise geo-spatial intelligence, mapping a user's exact coordinates against nearby inventory to instantly calculate proximity, travel time, and store hours. By intentionally excluding a transactional checkout or digital shopping cart, NearVendor removes the complexities of payment gateways and acts as a pure search utility optimized exclusively for finding physical goods in physical spaces.





PROJECT PORTFOLIO



DIRECTORATE GENERAL OF IMMIGRATION & PASSPORTS

The modernization of national border security and citizen services requires infrastructure that is not only highly efficient but uncompromisingly secure.

Through its Digital Transformation Initiative, ALT has played a pivotal role in overhauling the critical operational frameworks that support national immigration and passport services. By replacing legacy bottlenecks with agile, automated, and highly secure digital ecosystems, ALT has empowered government agencies to process citizen requests faster, enforce border security protocols with greater precision, and maintain absolute data integrity across all operational tiers.

The Control List Dashboard

Managing border security requires instantaneous access to critical threat intelligence. To address this, the Control List Dashboard serves as a highly secure, centralized platform designed for the real-time management, monitoring, and synchronization of high-stakes security records. It provides unified threat visibility by consolidating fragmented databases—including Passport Control Lists (PCL), Exit Control Lists (ECL), and international Watch Lists—into a single, actionable pane of glass.

Furthermore, the dashboard ensures inter-agency synchronization by enabling rapid data sharing between immigration officials, law enforcement, and intelligence agencies, guaranteeing that border agents have immediate access to updated restriction protocols. To safeguard this intelligence, the system is built with strict access governance, utilizing granular, role-based access controls (RBAC) and immutable audit trails to ensure sensitive records are accessible only to authorized personnel, thereby preventing data leaks or unauthorized modifications.

Instant Cross-Agency Sync

Delivers near-instantaneous list replication across all edge terminals and checkpoints the moment a record is modified, updated, or flagged by law enforcement.

No System Downtime

High-availability architecture and resilient data synchronization ensure critical border checks remain fully operational 24/7, even during core database updates or heavy sync cycles.

100% Traceability

Every search query, restriction change, and manual record override is logged to an immutable trail, ensuring absolute governance and zero unverified access.

Emergency Travel Document (ETD) System



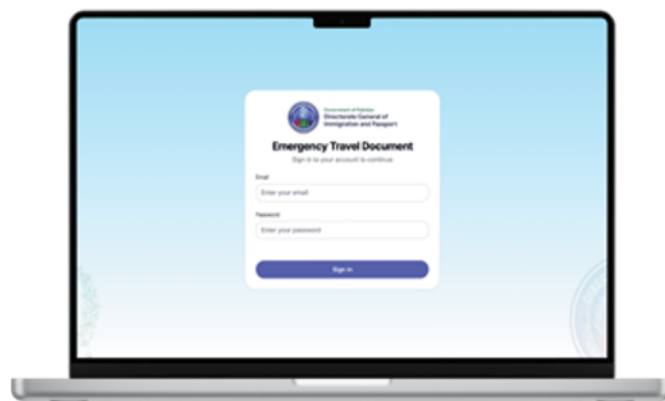
During geopolitical crises, natural disasters, or unexpected citizen emergencies abroad, time is of the essence. The Emergency Travel Document (ETD) System addresses these urgent needs as a secure, high-availability platform engineered to drastically accelerate the issuance of emergency travel documents without compromising security protocols. It achieves this through streamlined processing that digitizes the entire application, verification, and approval workflow, significantly reducing the administrative friction typically associated with emergency consulate services.

To maintain absolute integrity throughout this accelerated process, the platform incorporates advanced fraud prevention and cryptography, using digital verification layers and secure credential generation to prevent identity spoofing and document forgery. Additionally, it offers end-to-end transparency by tracking every step of the issuance process in real-time, providing both government administrators and distressed citizens with clear visibility into the document's status from start to finish.

0 ms

Interagency Lag

Establishes a direct, high-availability communication network between domestic immigration databases and foreign consulates, entirely eliminating information-sharing delays.



2 Days

Processing Velocity

Drastically compresses document turnaround times down from a traditional 4-month administrative delay, enabling rapid, high-priority issuance for citizens in distress.

100%

Data Privacy & Security

Protects highly sensitive biometric and identity profiles with advanced end-to-end cryptographic layers, fully neutralizing the risk of document forgery or identity spoofing.

1-Click

Consular Verification

Streamlines the entire applicant review process into a single digital checkpoint, allowing overseas embassies to verify, approve, and generate secure

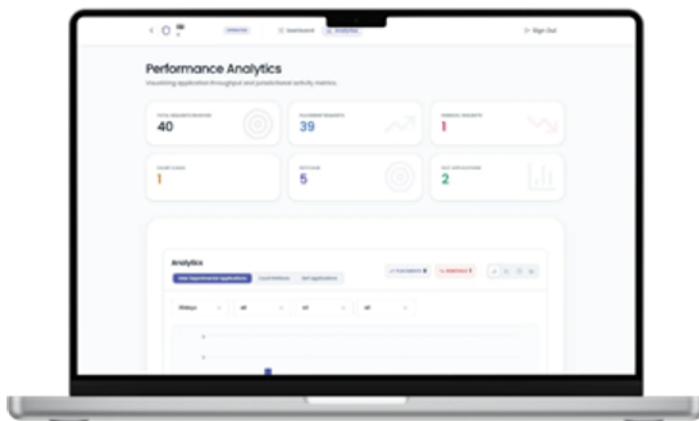
Administrative Management Tools



To ensure the overarching digital ecosystem remains healthy and efficient, a suite of Administrative Management Tools was deployed to handle comprehensive resource and performance tracking. These oversight tools provide executive leadership with real-time analytics regarding application processing times, departmental bottlenecks, and workforce resource allocation, enabling data-driven decisions that optimize day-to-day operations.

Absolute Traceability

Replaces physical file couriers with an immutable digital ledger, ensuring no inter-departmental memo, policy draft, or official letter is ever misplaced or undocumented.



Instant Inter Office Routing

Bypasses traditional bureaucratic transit delays by delivering official correspondence across geographically separated departments and directorates instantly.

Coupled with rigorous system health monitoring, this continuous operational oversight ensures that all digital services—from the core databases to the edge terminals located at border checkpoints—maintain maximum uptime and performance reliability. Through this comprehensive Digital Transformation Initiative, these combined efforts have not merely digitized paper processes; they have architected a resilient, modern, and highly secure foundation for the future of immigration and passport operations.



Doneto represents the next evolution in digital fundraising. By merging the collaborative power of community crowdfunding with a sophisticated, integrated wallet ecosystem, Doneto eliminates the friction and uncertainty traditionally associated with online donations. Whether you are a nonprofit organization, a startup seeking seed capital, or an individual raising funds for a personal cause, Doneto is engineered to promote absolute transparency, streamline financial transactions, and build unwavering trust between campaigners and their backers.

To help organizers tell compelling stories and maximize conversion rates, Doneto provides a highly intuitive, end-to-end campaign creation suite. Campaigners can easily embed high-quality videos, image galleries, and detailed project timelines to engage potential donors. The platform features customizable landing pages for tailored branding and personalized messaging, ensuring that each campaign resonates deeply with its target audience. Furthermore, organizers can set phased funding goals and provide real-time updates through milestone tracking, keeping momentum alive throughout the entire lifecycle of the campaign.

Unlike traditional platforms that rely heavily on clunky third-party payment gateways, Doneto operates on a native digital wallet ecosystem. Both donors and campaign managers are equipped with dedicated digital wallets upon registration, creating a closed-loop system that ensures funds move instantaneously without traditional banking delays. For campaign managers, this offers flexible payout management, allowing them to securely hold funds, request instant withdrawals, or set up scheduled transfers directly to linked bank accounts. For donors, the built-in wallet enables frictionless giving, supporting quick, one-tap contributions, recurring donations, and the ability to seamlessly distribute a set budget across multiple active campaigns.

