From Compliance to Confidence

Building automated enterprise workflows on digital trust

ASIA PKI · Colombo, Sri Lanka · November 2026



GLOBAL PERSPECTIVE

The new standard of enterprise confidence

WHERE THE WORLD IS HEADING

Moving beyond reactive compliance to proactive digital trust, embedded in every workflow, across the globe.

Compliance proves what happened. Digital trust prevents what should not.

WHAT WE WILL COVER

1. **Why compliance alone is no longer enough**
   The paradigm shift and the modern threat model
2. **The trust ecosystem**
   Architecture, adoption path and regulatory alignment
3. **Sector workflows**
   Banking, public services, taxation and customs
4. **Sustainability**
   Digital trust as an ESG imperative
5. **The road ahead**
   Quantum, agentic AI and embedded trust

THE PARADIGM SHIFT

From legacy compliance to digital trust

LEGACY COMPLIANCE		DIGITAL TRUST
Manual verification High error rates and slow turnaround	→	**Automated workflows** Instant credential issuance
Periodic audits Reactive vulnerability patching	→	**Continuous monitoring** Real-time anomaly detection
Fragmented tools Siloed security infrastructure	→	**Unified ecosystem** Integrated identity governance

Why manual defences fail



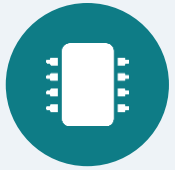
Ransomware agility

Automated adversary networks outpace legacy response times.



Identity exploitation

Attackers use valid credentials rather than breaching perimeters.



AI acceleration

Machine-speed attacks require machine-speed mitigation.

Periodic, manual controls cannot match machine-speed adversaries. Protection has to be automated, continuous and identity-centric.

SOCIAL RESPONSIBILITY

Democratising digital access in Sri Lanka



Financial inclusion

Remote eKYC enables banking for rural populations.



Accessibility

Eliminates physical travel for critical document signatures.



Citizen empowerment

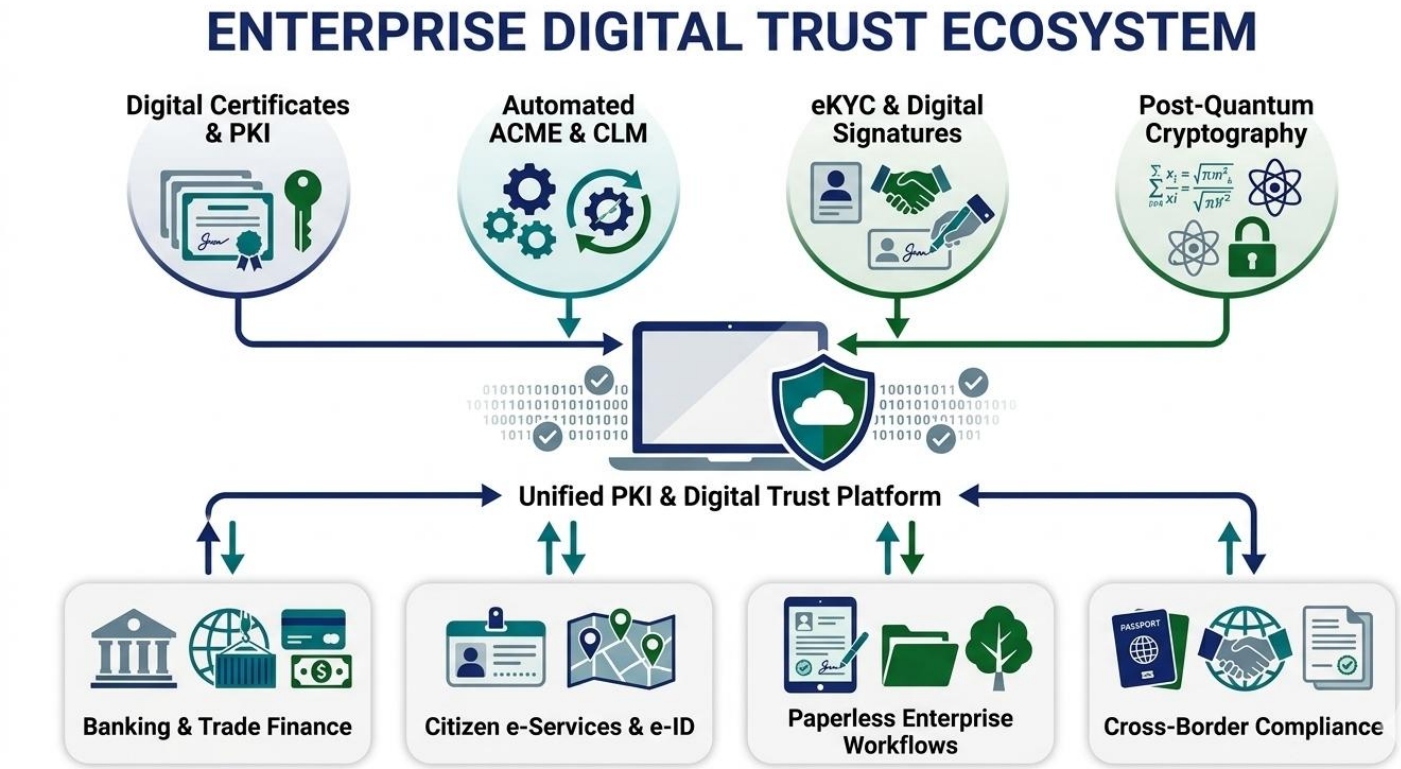
Secure control over personal digital identities.

WHY IT MATTERS

Digital trust is also an inclusion technology.

Secure remote identity and signatures bring services to citizens wherever they are.

The trust ecosystem



Digital workflow
Paperless eKYC and legally binding digital execution.

Lifecycle management
Zero-touch PKI management and automated validation.

Discovery
Continuous visibility and cryptographic agility.

One platform serving banking, citizen services, paperless workflows and cross-border compliance.

REGULATORY HARMONISATION

Aligning global mandates

WebTrust and GDPR compliant
Globally recognised root ensuring universal trust.

Local institutional alignment
Adherence to Sri Lankan CBSL requirements and data privacy legislation.

Export procurement portals
Mandatory code signing for global software distribution.

Cross-border interoperability: mutually recognised trust frameworks reduce friction in international trade and diplomacy.



IN SRI LANKA

Bridging local and global trust

Deploying global-scale PKI to bridge local institutional frameworks with uncompromising security standards.

- **Export-ready software integrity mandates.**
- **Centralised banking encryption protocols.**
- **ACME-driven infrastructure adoption.**



SECTOR FOCUS: FINANCE & PUBLIC SECTOR

Institutional workflows: trust at scale

Translating regulatory compliance into proactive digital confidence across Sri Lanka and the globe.

Financial institutions and government bodies must balance frictionless citizen access with strong cryptographic security.

DESIGN OBJECTIVE

Non-repudiation

Every signed action is attributable to its signer.

DESIGN OBJECTIVE

Verifiable audit trail

Every transaction can be independently verified.

BANKING SECTOR

Retail and corporate onboarding



Digital KYC

100% remote customer verification.



Loan agreements

Legally binding remote signatures.



Account mandates

Automated direct-debit authorisation.

The result: customers onboarded end to end without a branch visit or a sheet of paper.

BANKING SECTOR

Trade finance and treasury

Securing high-value corporate transactions through non-repudiable cryptographic trust frameworks.

Letters of credit	Instant digital issuance.
Cross-border transfers	Cryptographically secured SWIFT mandates.
Corporate board resolutions	Legally recognised digital execution.

PUBLIC SECTOR

Citizen e-services and identity



National e-ID

High-assurance digital citizen identities.



Land registries

Tamper-evident property ownership records.



Utility billing

Paperless statements and secure payments.



e-Courts

Digitally signed legal judgements.

PUBLIC SECTOR REVENUE

Taxation and customs transformation

LEGACY FILINGS

- Manual audit reconciliation.
- Physical document bottlenecks.
- High vulnerability to forgery.

TRUST-BACKED AUTOMATION

- Non-repudiable tax returns.
- Real-time customs clearance.
- Cryptographic invoice validation.

STRATEGIC SHIFT

Trust is an ESG imperative

Replacing physical paper and manual validation with cryptographic trust fundamentally rewrites corporate sustainability metrics.

E Environmental

Zero-paper operational footprint.

S Social

Borderless service accessibility.

G Governance

Tamper-evident compliance records.

The carbon cost of paper validation

Printing, couriering and storing documents carries a real emissions cost; automated PKI workflows remove it at source.

THE FUTURE STATE

A sustainable digital economy

Quantum cryptography

Inventory, tracking and transition planning against post-quantum threats.

Agentic AI workflows

Autonomous process automation handling complex regulatory actions.

Embedded trust

Seamless, invisible verification woven into daily digital interactions.

By embedding trust natively into enterprise workflows, we are not just accelerating business. We are building a greener, more inclusive Sri Lanka.

Goal: 100% paperless operations

24/7 secure access

IN SUMMARY

Key takeaways

1. Compliance is the floor. Confidence comes from automating trust inside workflows.
2. Machine-speed threats demand continuous, automated controls, not periodic audits.
3. Banking and public-sector workflows show where digital trust delivers visible citizen value.
4. Aligning with global standards and local regulation makes trust portable and advances ESG goals.

YOUR NEXT STEP

Map your highest-volume paper and manual-verification workflows, then automate trust there first.

e‘mudhra’



Founded in 2008 to help build Trust in Digital Infrastructure and Communication leveraging PKI. Global Trust Service Provider | Publicly Listed – NSE/BSE | Grew at 35% CAGR

1000+ large Enterprise Clients globally for Digital Trust and Cybersecurity, serve Banks with asset >USD 2tn across 14 countries, customers include Fortune 100 names

End to End IP in Identity, Digital Trust, and Digital Signatures to drive value and agility.

Strong culture and Industry experience powering some of the largest use cases in the world.

Great Place To Work® Certified 2026 INDIA™

1000+ Employees

250+ R&D

14 Offices Worldwide

60+ Countries with customers

DirectTrust · NIST · Cloud Signature Consortium · IGTF AP|EU|TAG · UNECE UN/CEFACT · X9 · CAB · ETSI · Asia PKI Consortium

Thank you

We enable enterprises and consumers to engage, exchange information and transact securely, efficiently and with an enhanced customer experience.

Contact Us

Rajesh Srinivasan - Head of SAARC

eMudhra Limited

Mobile : +91 98216 26840

Email : Rajesh.sr@emudhra.com