

Why Moontrace ?

Introducing Moontrace: Securing the Future in the Quantum Era

I am thrilled to present **Moontrace**, an organization dedicated to helping businesses transition from compromised to confident in this new quantum age. We are a security firm designed to tackle a unique threat — the impending erosion of trust in global encryption systems.

Quantum computing is progressing at an unprecedented pace. Within this decade, it could potentially break the encryption safeguards that protect banking systems, critical infrastructure, and state secrets. Unfortunately, many organizations remain unaware of their vulnerabilities and how to prepare for this shift.

Moontrace addresses these challenges by providing a clear, actionable, and accessible path to quantum-safe security:

- Our tool **VANTAGE** assists companies in identifying their cryptographic risks, including the algorithms they use, their weak points, and necessary upgrades.
- The **APX migration toolkit** offers a step-by-step guide to adopting safer, post-quantum encryption utilizing trusted, NIST-approved algorithms.
- Moontrace **VPN** provides lightweight, post-quantum encrypted tunnels that help protect network traffic even during transitional hybrid deployments.
- And **QUBEx**, our hardware-based quantum key management system, will be built for the hybrid era. It enables organizations to securely generate, store, distribute, and revoke both post-quantum and classical cryptographic keys. QUBEx provides out-of-band key delivery and crypto-agility bringing resilience, auditability, and true control to the most critical piece of security: the keys themselves

At Moontrace, we are committed to serving the global community — particularly companies and governments in emerging markets that are often excluded from high-end security discussions. Our focus is on simplicity, affordability, and transparency, ensuring that preparing for the future is not a luxury but a necessity.

Thank you for your attention and consideration. I would be delighted to share more about our vision and how Moontrace can safeguard digital trust today and in the quantum future.

Best regards,
Bharat Raghuvanshi
Moontrace Engineering