



India's Leap into Quantum-Safe Communication

Launching India's 500 KM Quantum Network

One of the World's Largest QKD Networks

Born in India, Built for the World

Today's Encryption is at Risk



Today's RSA and ECC encryption can't withstand future quantum attacks.



Quantum computers will crack these codes in minutes, not years



Nation-states are already harvesting encrypted data today to decrypt tomorrow

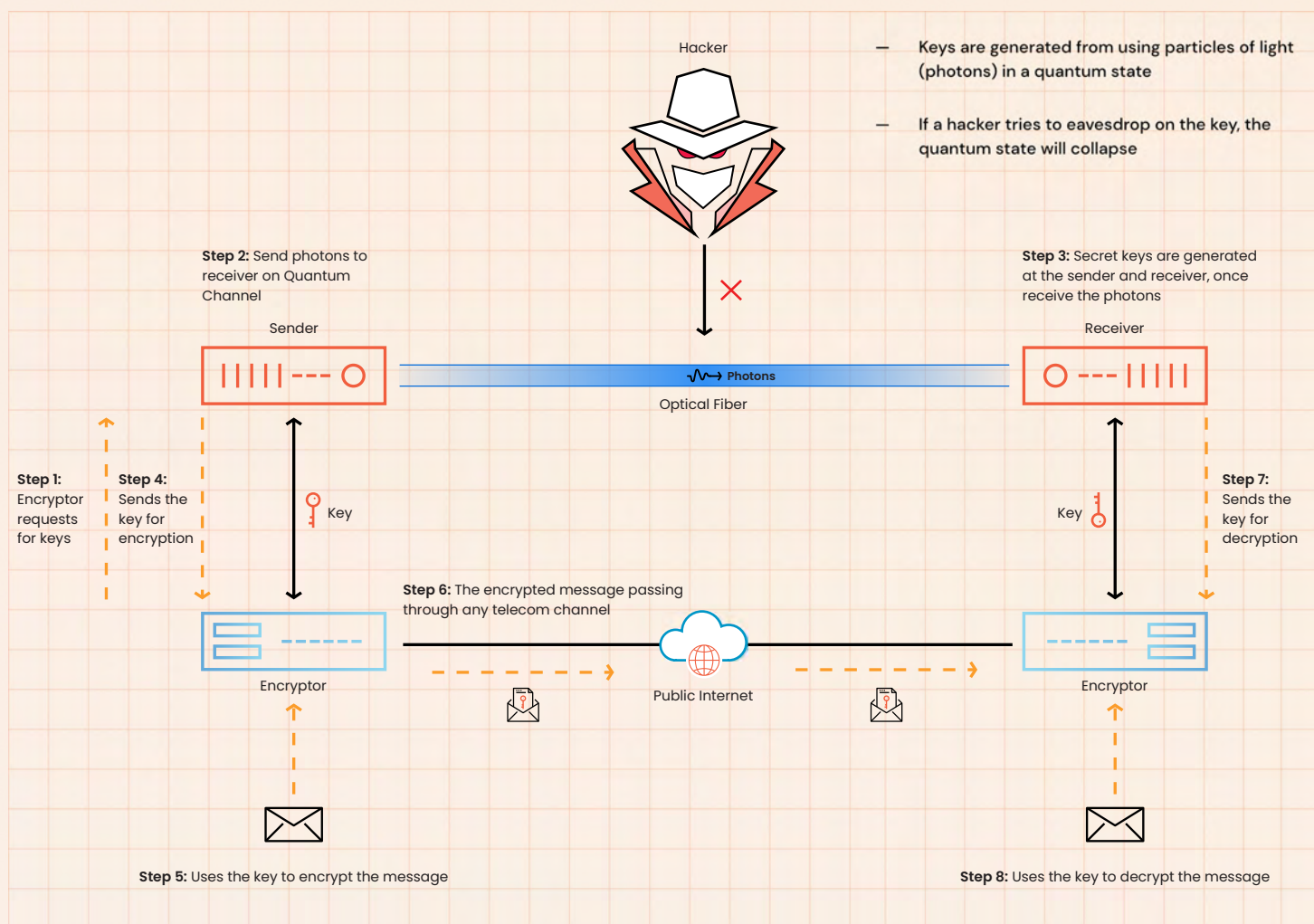


India needs quantum-safe infrastructure NOW

Quantum Key Distribution: Unbreakable by Design

Unlike mathematical encryption, QKD leverages the laws of physics to create provably secure communication.

How It Works:



Unbreakable & Future-Proof Security



Scalable Nationwide Architecture



100% Made in India | Patented | Tested | Certified | Commercialised | Global Leadership



Critical Infrastructure Ready

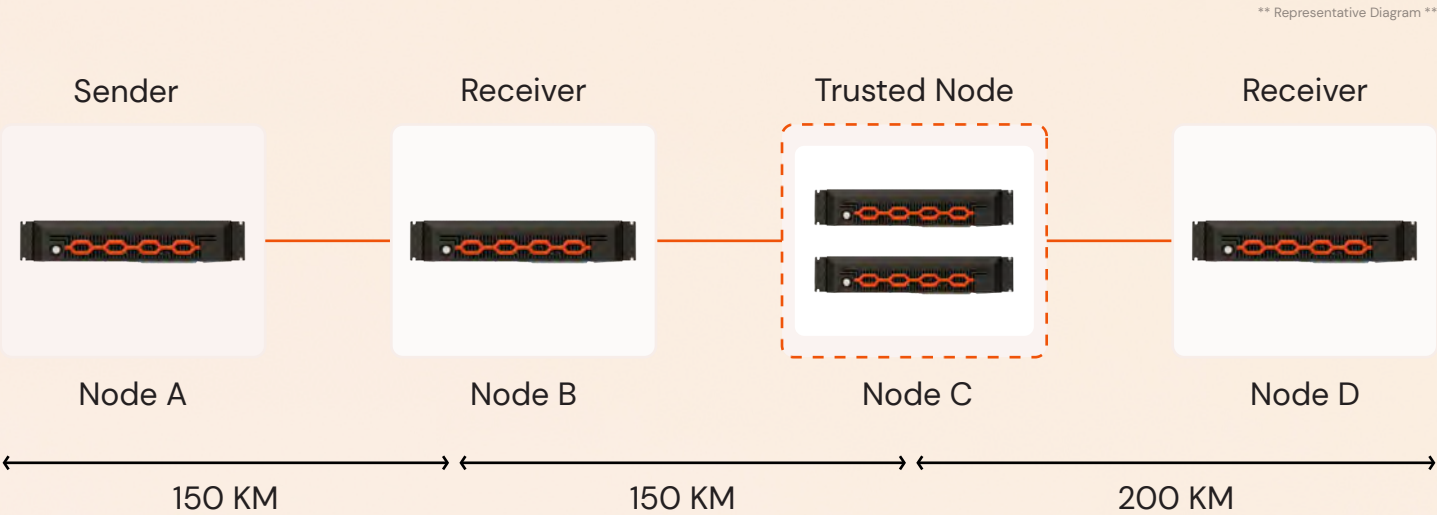


Hybrid & Crypto-Agile

Scaling to 500 KM: The Trusted Node Architecture

Quantum signals naturally degrade over distance. QNu's breakthrough: Trusted Node Technology that extends quantum security across cities and states.

500 KM QKD Network for Quantum Key Generation:



India's Innovation:

Features 150–200 KMs node spacing (vs 80–100 KM globally) with only 4 nodes over 500 km, delivering lower cost, higher efficiency, and scalable performance.

India's Quantum Edge: Born in India, Leading the World

Metric	Global Standard	India's Achievement
Network Distance	500 KMs	500 KMs
Avg. Distance Between Nodes	80-100 KMs	150-200 KMs
Nodes Used (500 KMs)	10 Nodes	4 Nodes
Production Cost (500 KMs)	10 cr.	4 cr.
Nodes Required (2000 KMs)	32 Nodes	14 Nodes

India accomplishes a **2000 KM Quantum Network** with **14 Nodes** at a cost of **14 Crores**, compared to conventional methods that require **32 Nodes** and **32 Crores** for the same distance.

Quantum-Safe Today. Future-Proof Forever.



Scan for more details

Why QNu Labs?



Backed by the National Quantum Mission,
Government of India.



Built on Quantum Physics, Light Theory &
Advanced Mathematics (PQC).



100% Made in India Technology.
Completely Indigenous.



QShield™- Patented Full-Stack Quantum-
Safe Platform. Enterprise + Government.



Seamless integration across public and
private sector infrastructure.



Technology Leadership - 10+ Patents Filed,
15 Pending Globally.



Flexible and scalable deployment for any
environment.



A Worldwide Ecosystem of Trusted
Partners.



Award-Winning Innovation at Global and
National Level.



Ensuring Quantum Security for Every Layer -
from Hardware to Network to Application.



Deployed and Commercialised in India and
Globally.



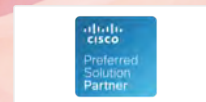
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and more..

Accelerating India's Quantum-safe Future

Join the Quantum Revolution

Whether you're securing critical national infrastructure, protecting financial systems, or future-proofing enterprise networks - QNu Labs is your partner in quantum security.

Let's Build a Quantum-Safe India Together

India

USA

Australia

Global