



India's Leap into Quantum-Safe Communication

Launching India's 310.7 Miles 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

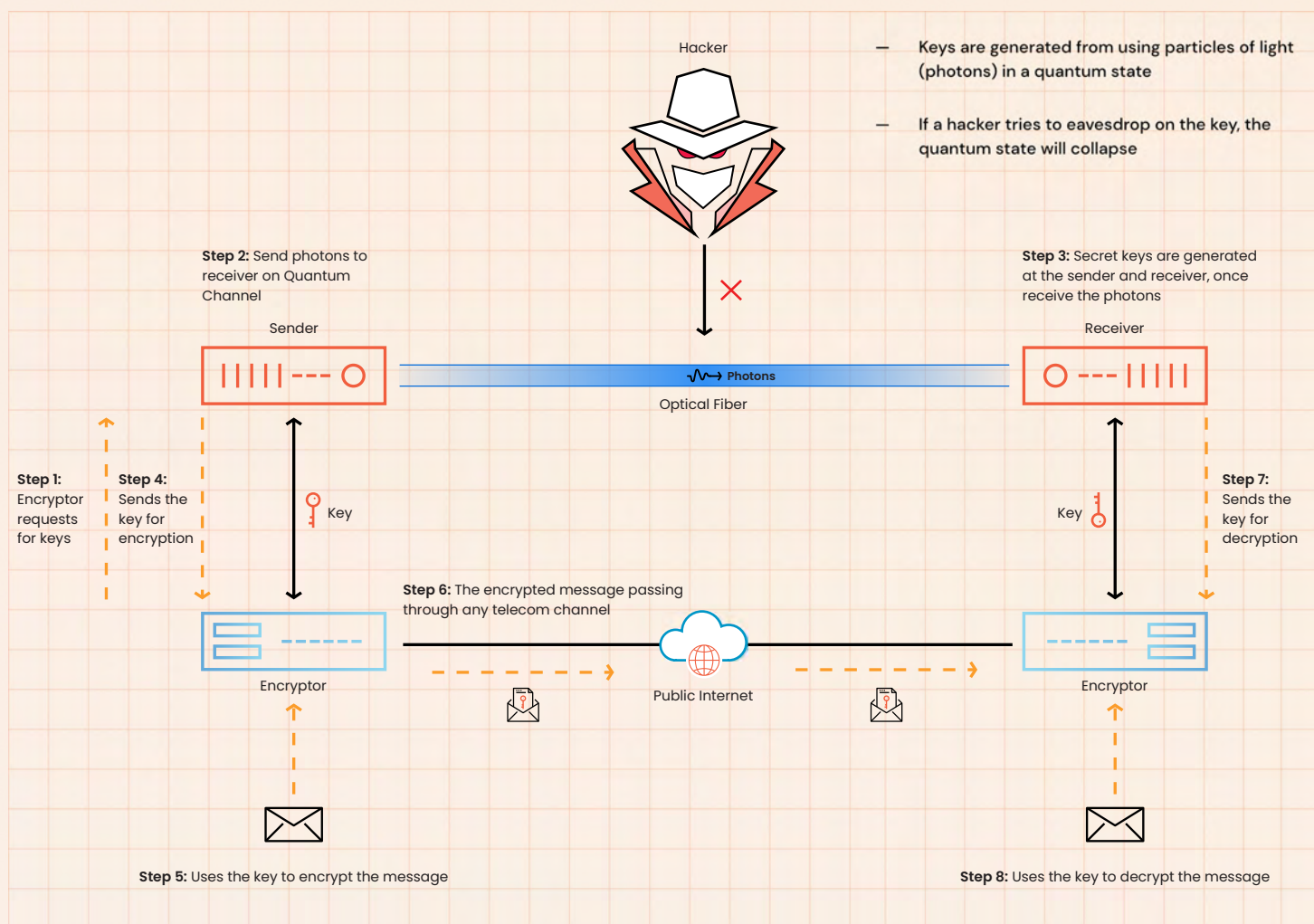


India needs quantum-safe infrastructure NOW

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



Critical Infrastructure Ready



Scalable Nationwide Architecture



Hybrid & Crypto-Agile

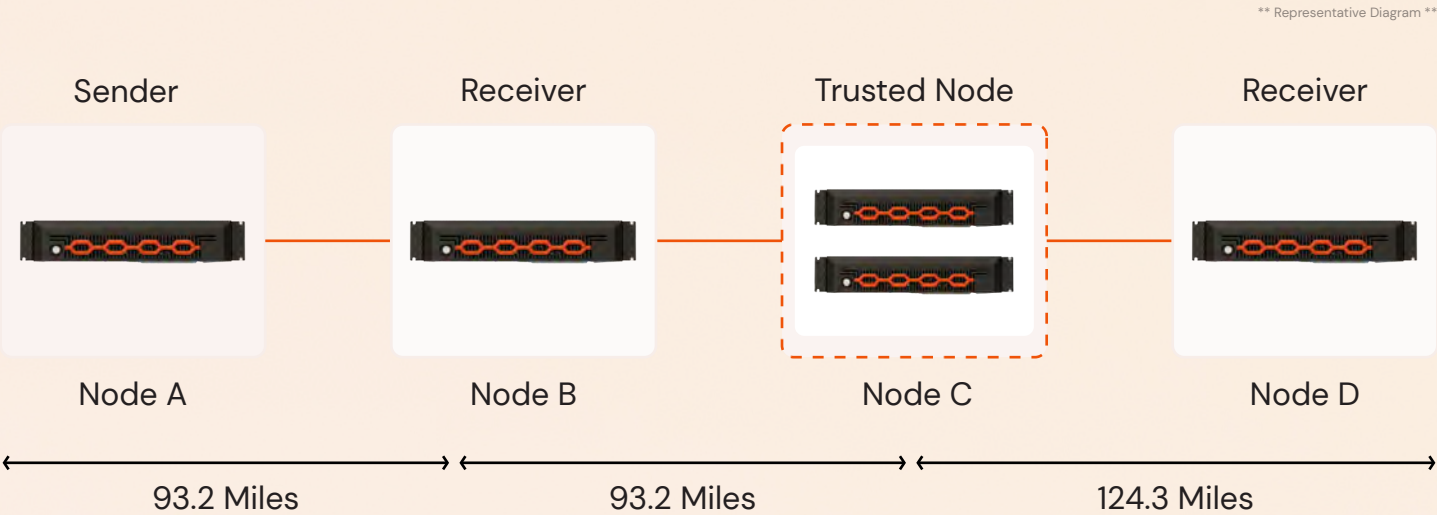


100% Made in India | Patented | Tested | Certified | Commercialised | Global Leadership

Scaling to 310.7 Miles: The Trusted Node

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

310.7 Miles QKD Network for Quantum Key Generation:



India's Innovation:

Features 93.2–124.3 Miles node spacing (vs 49.7 to 62.1 Miles globally) with only 4 nodes over 310.7 miles, 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	310.7 Miles	310.7 Miles
Avg. Distance Between Nodes	31.1–62.1 Miles	93.2–124.3 Miles
Nodes Used (310.7 Miles)	10 Nodes	4 Nodes
Production Cost (310.7 Miles)	1.13 Million USD	.451 Million USD
Nodes Required (1242.7 Miles)	32 Nodes	14 Nodes

India accomplishes a **1242.7 Miles Quantum Network** with **14 Nodes** at a cost of **1.58 Million USD**, compared to conventional methods that require **32 Nodes** and **3.6 Million USD** 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.



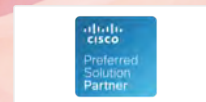
Globally and Nationally Recognised Innovation.

Our products are available on GeM portal



GeM
Government
e Marketplace
Efficient • Transparent • Inclusive

Trusted Partnerships & Global Recognition



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