Powering Every Cloud & AI Connection **in India**

lightstorm

It's the Early Days of Cloud & AI, and yet …

Fintech: **7,731 transactions per second** in October 2025

Identity: **28.4 billion authentications** in January 2025

Healthcare: **Addition of $25-30 billion to GDP**

Agricultural: **Transforming 47% India's workforce**

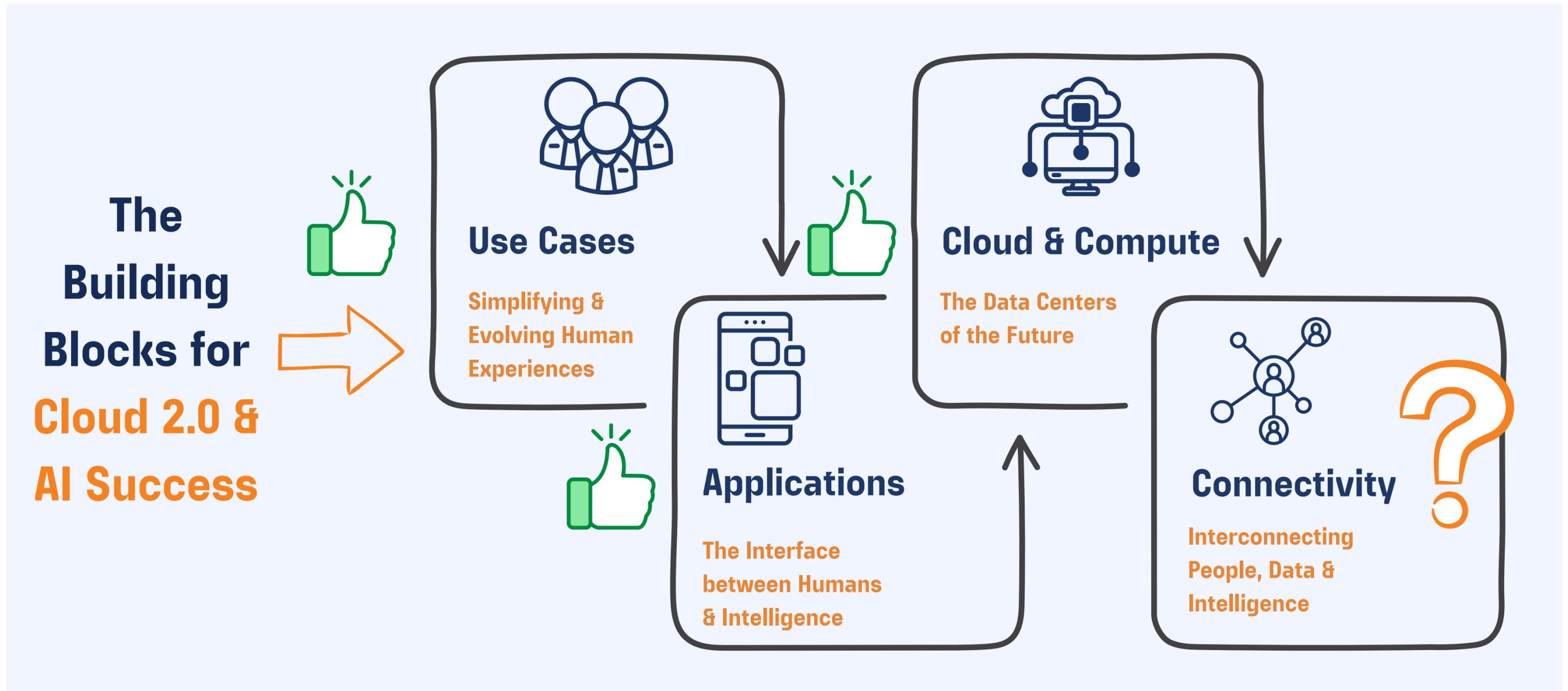**Manufacturing**: **54% AI implementation**

Education: **India is the largest market** for personalized AI based learning

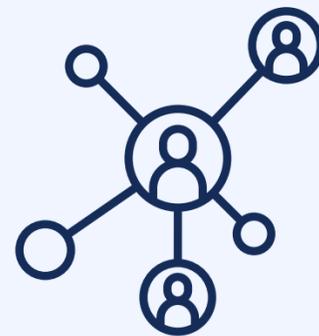**GenAI:** India is the **largest developer and user markets for GenAI** globally!

Unlocking Cloud 2.0 and AI for Population-scale

The Building Blocks for Cloud 2.0 & AI Success

Use Cases
Simplifying & Evolving Human Experiences

Applications
The Interface between Humans & Intelligence

Cloud & Compute
The Data Centers of the Future

Connectivity
Interconnecting People, Data & Intelligence

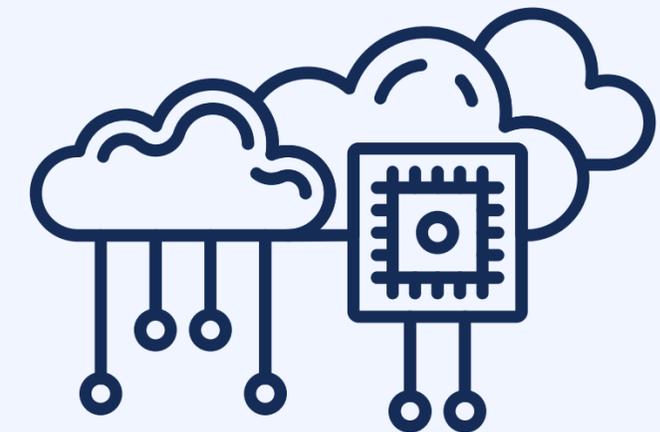# The Backbone of Digital India **needs Evolution**

The Connectivity Challenge is shifting from Internet and Consumer Access
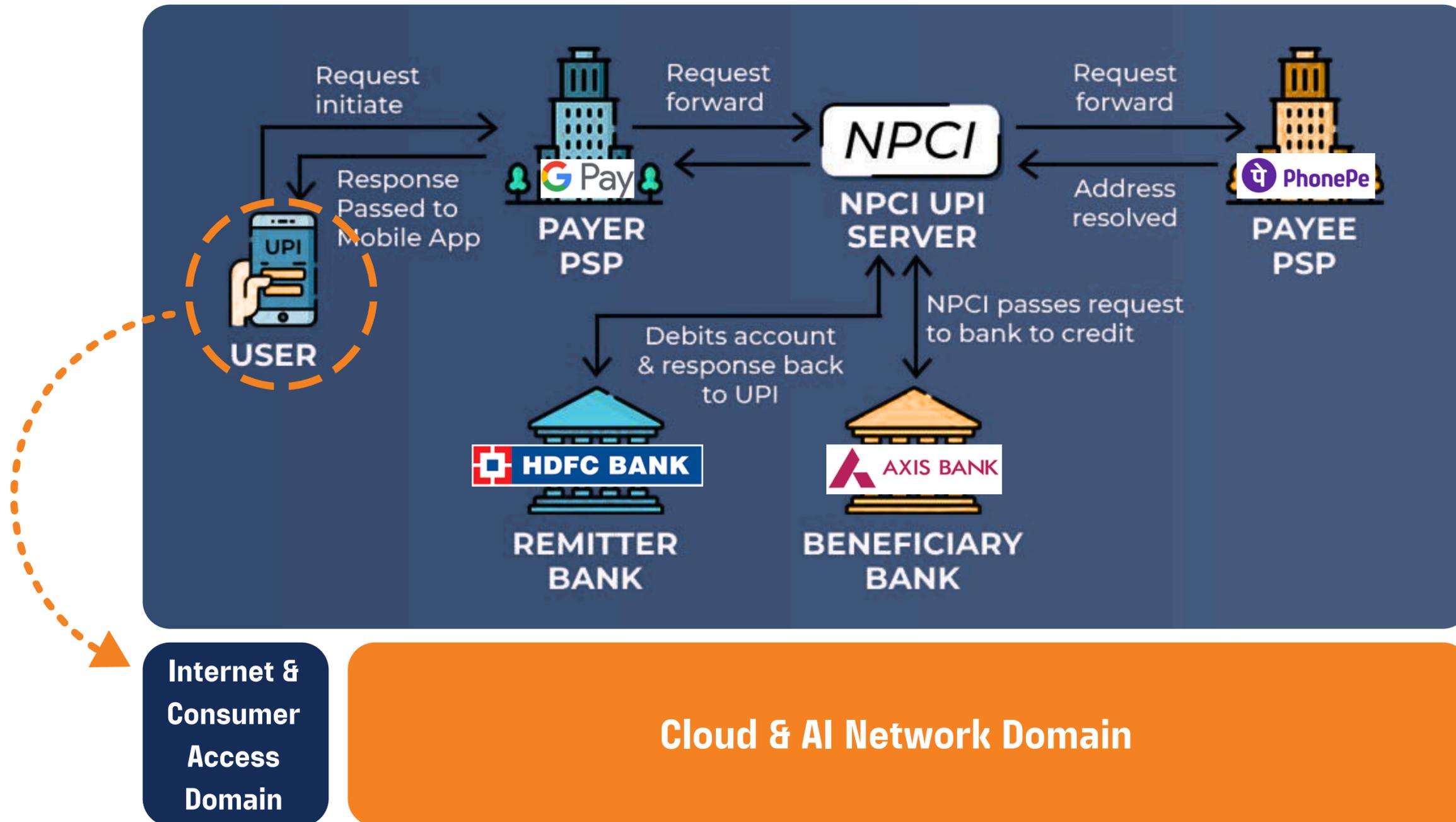
Connectivity

Interconnecting People, Data & Intelligence

To Delivering Data, Intelligence & Evolved Experiences
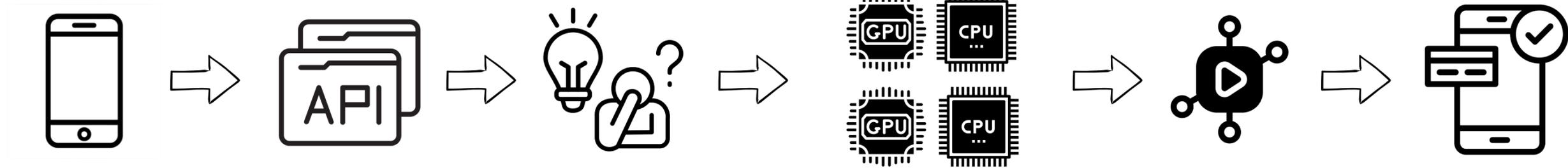
For Example: The Networks that Enable UPI

Cloud & AI Networks transfer data over 100s or even 1000s of kilometers synchronously, to deliver live transactions in seconds.

Now imagine this at current scale is 7,700+ transactions per second!

For Example: The Networks that Enable GenAI

Location	User Device	API Gateway	Edge Data Center	Multi-DC Compute Cluster	Content Delivery Network (CDN)	User Device
Process	User Query	Request Routing	Inferencing	Compute	Output formatting & Edge Caching	Output Delivery

Internet & Consumer Access Network
0-10 kms

Cloud & AI Network Domain
100s or 1000s of kms

Internet & Consumer Access Network
0-10 kms

For typical queries, users often expect a total response generation time in under 2 seconds!

Pillars of Effective Cloud, Data Center & Compute Interconnection

Connectivity Infrastructure for Delivering Intelligence at Population Scale

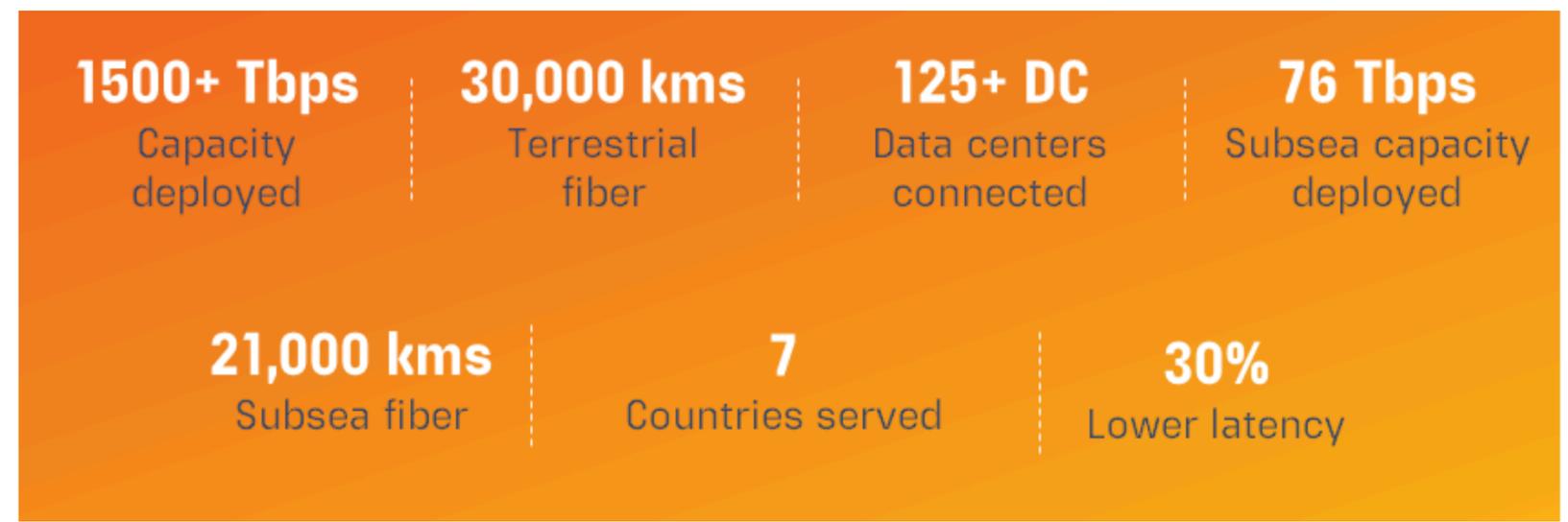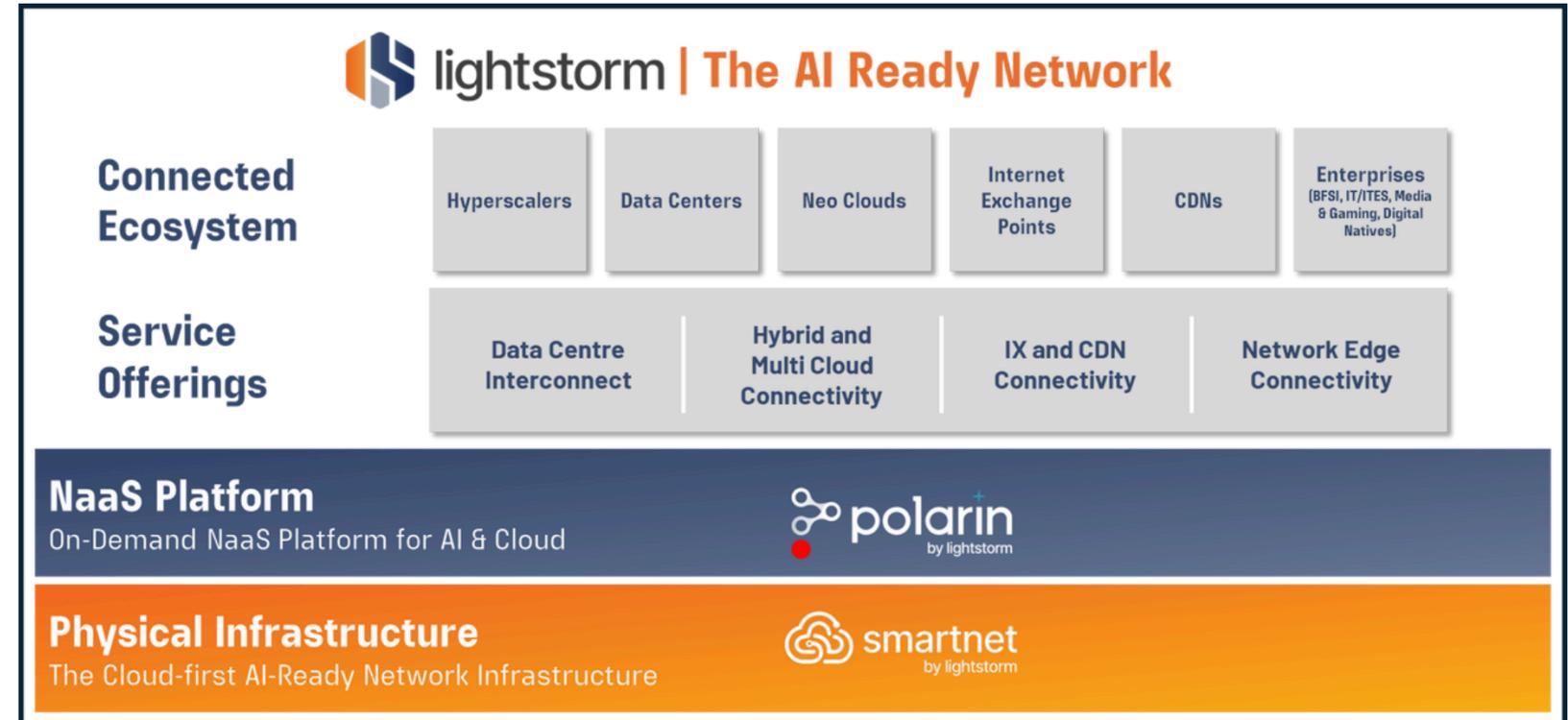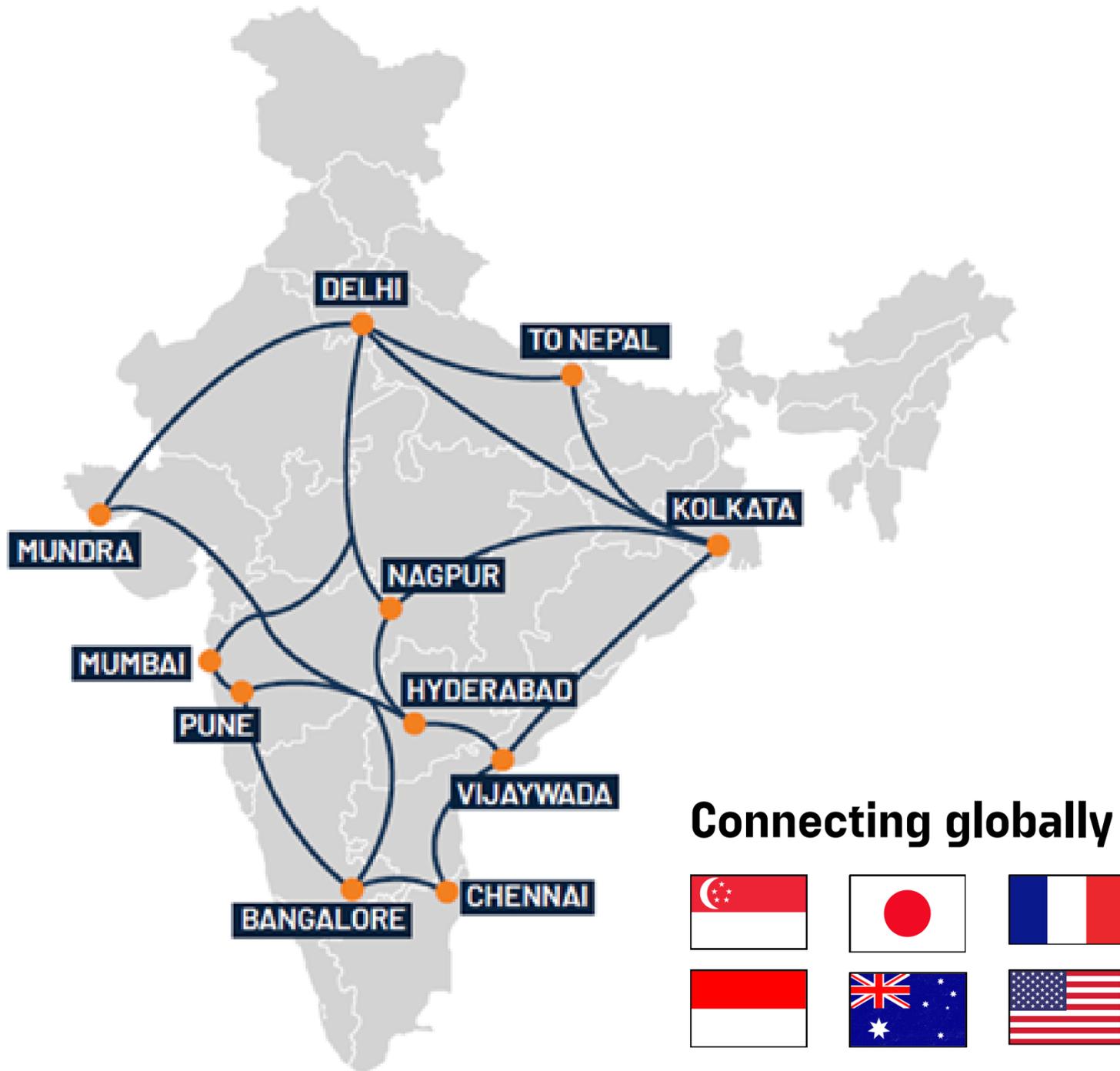| Performance Architecture	Always-on Reliability	Hyperscale Capacity	Geographic Reach	Adaptive Intelligence	Right Regulation
1	**2**	**3**	**4**	**5**	**6**
Optimized for Speed i.e. lowest latency	24/7 uptime guaranteed	Engineered for Exabyte scale	Interconnecting key cloud and compute clusters	Proactive and Reactive network adaptation	Balancing interests with investment promotion

Born in India. Building the World's Digital Fabric.

Connecting 7 countries and 125+ data centers through an AI-ready network built in India for the world.

DELHI
TO NEPAL
MUNDRA
KOLKATA
NAGPUR
MUMBAI
HYDERABAD
PUNE
VIJAYWADA
BANGALORE
CHENNAI

Connecting globally

lightstorm | The AI Ready Network

Connected Ecosystem	Hyperscalers	Data Centers	Neo Clouds	Internet Exchange Points	CDNs	Enterprises (BFSI, IT/ITES, Media & Gaming, Digital Natives)
Service Offerings	Data Centre Interconnect		Hybrid and Multi Cloud Connectivity		IX and CDN Connectivity	Network Edge Connectivity

NaaS Platform
On-Demand NaaS Platform for AI & Cloud

polarin
by lightstorm

Physical Infrastructure
The Cloud-first AI-Ready Network Infrastructure

smartnet
by lightstorm

1500+ Tbps Capacity deployed	**30,000 kms** Terrestrial fiber	**125+ DC** Data centers connected	**76 Tbps** Subsea capacity deployed
21,000 kms Subsea fiber	**7** Countries served	**30%** Lower latency	

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AI needs data. Data needs data centers. Data centers need the right network. Without it, GPUs & Servers sit idle on isolated islands. Networks are the invisible engine for an accessible, affordable, and inclusive AI revolution in India

Thank you