

AI EDGE DATA CENTERS

Fast, Agile, Local, Efficient, and Secure



Tried. Tested. Trusted.

For over 25 years



India's AI Revolution Needs an Edge Foundation

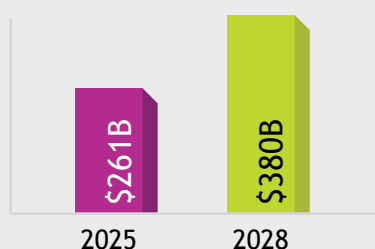
India's digital economy is expanding beyond metros, creating new demand for AI powered applications, real-time services and always on digital experiences.

As users, devices and business operations become more distributed, enterprises need infrastructure closer to where data is generated and consumed.

Market signals: Edge is becoming the distributed layer of cloud + AI

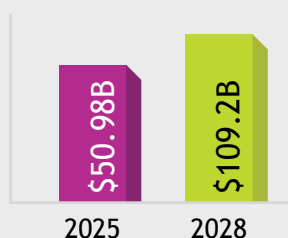
Global Edge computing spend

13.8% CAGR

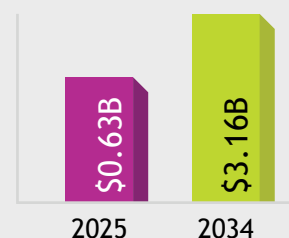


Edge DC market

Global
16.5% CAGR



India
19.1% CAGR



50% Critical Enterprise Apps
Outside centralized public cloud locations through 2027

Sources: Gartner; IDC Worldwide Edge Spending Guide 2025; MarketsandMarkets Edge Data Center Market Report 2025; IMARC India Edge Data Center Market 2025; ISG Provider Lens Private/Hybrid Cloud - Data Center Services 2025

What is Pulling Capacity to the Edge?



AI Inference

Low-latency responses for agents, vision, automation



5G / IoT / Video

High-volume distributed data from devices and networks



Data Locality

Process sensitive data regionally; reduce backhaul



Regional Resilience

DR, continuity and service availability closer to users



Faster Rollout

Modular build for new city demand pockets

Bringing Digital Experiences Closer is the Challenge

Enterprises need to serve users across regional markets with low-latency, reliable performance and secure data processing. Delivering this from distant core locations can increase response time, network dependency and operational complexity.



Core AI Campus



Regional Edge DC



Users + Devices



Sify AI Edge Data Centers: Built for AI at Scale. Extended to the Edge.

As India's first commercial data center provider, Sify today operates 16 data centers, including three AI campuses. We are now extending this proven infrastructure to regional markets through AI Edge Data Centers built for low-latency digital services.

Located closer to user, Sify AI Edge Data Centers provide enterprise grade colocation, carrier-neutral connectivity, modular capacity, resilient power and centrally governed operations. This supports distributed AI inference, cloud, disaster recovery and other mission critical workloads with faster response and consistent service availability.



Chandigarh 01 AI Edge Data Center



Lucknow 01 AI Edge Data Center

Upcoming AI Edge Data Centers

■ Nagpur 01

■ Kolkata 02

Why Sify AI Edge Data Centers?



AI-optimized
architecture for
real-time inferencing



Scalable
up to 4.8 MW
IT capacity



Low-latency digital
experiences closer to
users and businesses



NLD network backbone
with a rich carrier
neutral ecosystem



10-layer security with
resilient, autonomous
operations



Driving sustainability
across Base Build,
Pod, and Process

AI Edge Data Center Specifications

Data Center Shell



Building: RCC foundation and prefab steel data center floors.

Room Height: 4500 mm slab to slab. 3900mm clearance from floor to 1st obstruction, 700 mm raised floor

Structural Design: IS 456:2000, Importance Factor 1.5

Structural Floor Loading: 1500 Kg/sqm

Freight Elevators: 1 freight elevators with 4-ton capacity

Fire Rating of Walls & Doors: 2 hours

Electrical



Power Feeder: Onsite MV substation. (11kV or 33kV dual feeders)

Power Capacity: Scalable up to 4.8MW IT Capacity

Power Density: Power density of 10 KW for air cooled racks. Higher density racks possible with customized design

Transformer/Generator Configuration: redundancy of N+1

Downstream Power Configuration: N+N power distribution with overhead bus bars or whips

Onsite Fuel Storage: 24 hours, agreement with fuel supply companies for refill

Building Management



Building Management: Integrated building automation system with PLC SCADA

Physical Security: Multi level access control. Perimeter protection with Electric fence and Intrusion detection, K8 rated wall. Access controlled Gates and hydraulic crash guards, Security control room, X-ray Baggage scanner, 24x7 security guard service

Access Control: Smart card and biometric

Video Surveillance: 24x7 for all critical areas, retention for 90 days

Fire Detection: Addressable smoke detectors and aspirating smoke detectors for early warning

Fire Suppression: Novec® 1230 fire suppression system for Data Centre and electrical rooms. Option for pre-action water sprinklers available.

Cooling



Air Conditioning: Direct Expansion precision air conditioning units for perimeter cooling. Can support liquid cooling with HVAC systems upgrade

Environment: Temperature and Humidity as per ASHRAE standards. Operating parameters 24+/-2 deg C and rH 20% - 80%

Network



MMR: Dual meet-me-room for telecom fiber links; N+N power with UPS and 10 minutes battery backup

Carrier Neutral: Multiple IXs, IP Transit POPs, Multiple Telecom MUXs

A minimum of three telecom entry paths to the MMR.

Our Six zeros commitment



Zero
availability
incidents

Always On
Infrastructure



Zero
resiliency
risks

Resilience That Keeps
Your Business Running



Zero
security
incidents

AI Led Cyber and
Physical Security



Zero
safety
incidents

Safety without
Exception



Zero
defects

Real Time
Operational Precision

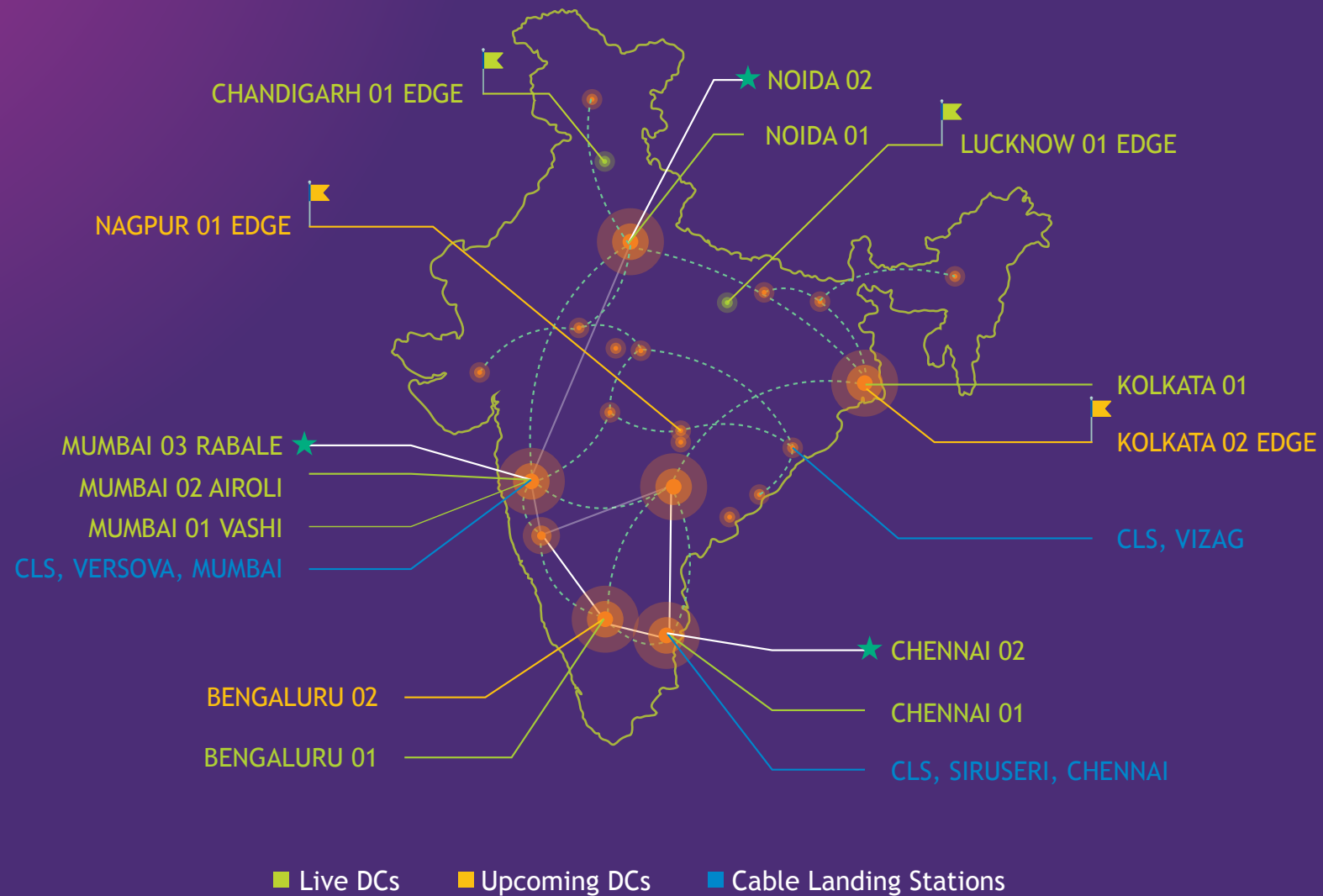


Zero
carbon
footprint

Sustainability by
Design

Our AI Hyperscaler and Edge Data Center Footprint

Accelerating your AI journey with high capacity hosting and interconnection



16 DCs with 200+ MW Operational Capacity. 9 Upcoming AI Hyperscale and Edge DCs.

Our Key Customer References



Scaled AI and cloud workloads for top hyperscalers.



Delivered low-latency streaming to millions of OTT users.



Supported secure, real-time engagement for a global social media network.



Powered secure and compliant transactions for a leading European payment provider.



Accelerated AI adoption and GPU accelerated workloads across India's leading banks, insurers and NBFCs.



Scaled high volume transactions for digital wallets and fintechs.



Powered national payments with ultra low-latency GPU infrastructure.



Modernized 500 plus enterprises with scalable resilient infrastructure.

Certifications



MEITY AI and Cloud Empowered



India's 1st Nvidia DGX Ready Air and Liquid Cooled DCs



Rated 4 New DCs and Rated 3 DCs



Data Center, Cloud and Managed Services



IT Service Management



Telecom Data Center and Managed Services



PCI DSS



Indian Green Building Council Green Building



SOC 1 Type II



SOC 2 Type II



World's International Standard for Occupational health and Safety



Business Continuity Management System



Environmental Management System



Noida 02 DC IGBC Platinum



Mumbai 03 DC IGBC Platinum

Recognitions



CIO Choice 2025 for AI Ready Data Centers



Leader in MarketScape for India Data Center Services 2024



Award for Sustainability 2024



Innovation in Data Center 2024



Best Future-Proof Data Center Project 2024



Major player in MarketScape for Managed Cloud Services APAC 2024-2025



Sify is a Niche Player in Gartner's MQ for Managed Network Services Global 2024



Know More

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