



Kolkata Hyperscale Data Center

AI Ready & AI Led Operations



Kolkata | Your Gateway to East India & SAARC

This prominent location for business connectivity opens a direct gateway to SAARC countries including Bangladesh, Bhutan, Nepal, and Myanmar. As a strategic location, it reduces latency and improves data transfer speeds, ensuring seamless connectivity for the entire region. It also serves as a disaster recovery site for neighboring SAARC nations.

Nepal

Three fiber paths
(Sanuli– Butwal- Raxaul–
Birganj, Forbesganj
– Biratnagar)

Bhutan

One fiber path over land
(Jaigaon gateway)

Bangladesh

Two fiber paths
(Petrapole – Benapole,
Chennai CLS – Cox Bazaar)

Chennai CLS

Multiple paths available

Mumbai CLS

Multiple paths available

Marketplace

IX, CDN, OTT, Peerings





Location

- **New Town (IT/ITeS Hub), Kolkata**
- **Powered by WBSEDCL on 33 KV dual feed**



Data Connectivity –Dense and neutral

- **Fiber Entry: 4+**
- **Global Gateway: Yes**
- **MMR: 2, telecom neutral**
- **Interconnect: Copper/fiber**
- **Data Hub: Direct connectivity to Chennai & Mumbai CLS, and IP backbone**



Cooling – Optimum and efficient

- **Chillers: Air-based**
- **Aisle Containment: Hot**
- **Average Cooling per Rack (kW/rack): 6**
- **CRAC: Water-based**
- **Thermal Storage: 5 minutes**



Civil-Nuances

- **Building Structure: G+5**
- **Rack Capacity: 2,700**
- **DC Building Area (sq. ft.): 240,000**
- **Seismic Compliances: Zone 4**
- **Floor Loading: 1,500kgs/sq.m.**



Power –HD and flexible

- **Total Power: 16 MW**
- **Annualized PuE: <1.6**
- **Fuel Storage: 48 hours**
- **Power per Rack: 6 kW**
- **UPS Backup: 10 minutes**
- **Power Distribution: Redundant till rack**



Security- Failproof

- **Layers: 7 layers of comprehensive security**
- **CCTV: Intelligent system integrated with BMS**
- **Trained Manpower: 24X7 access using secure OTP/QR-based system**
- **Entry/Exit: Distinguished for man and material movements**
- **Contraband Explosive Detection**



Environment – Pertinent and green

- **Building:** IGBC certified
- **Standard:** ASHRAE
- **Power:** Renewable energy
- **Temperature:** 22±2 degrees
- **Humidity:** 50±10% RH
- **Dust Level:** <0.5 micron
- **Fire Detection:** Inergen (gas-based)



Redundancy – Optimal

- **Design:** Rated 3
- **Power Distribution:** N+2C
- **UPS:** N+N
- **PAHUs:** N+2
- **Power Tx:** N+N
- **DG Sets:** N+2C
- **Chillers:** N+1
- **Chiller Water Piping:** N+N



Amenities – 24*7 operations

- **Break Area:** Yes
- **Bunker Beds:** Yes
- **Recreational Area (Indoor Games/Gym):** Yes



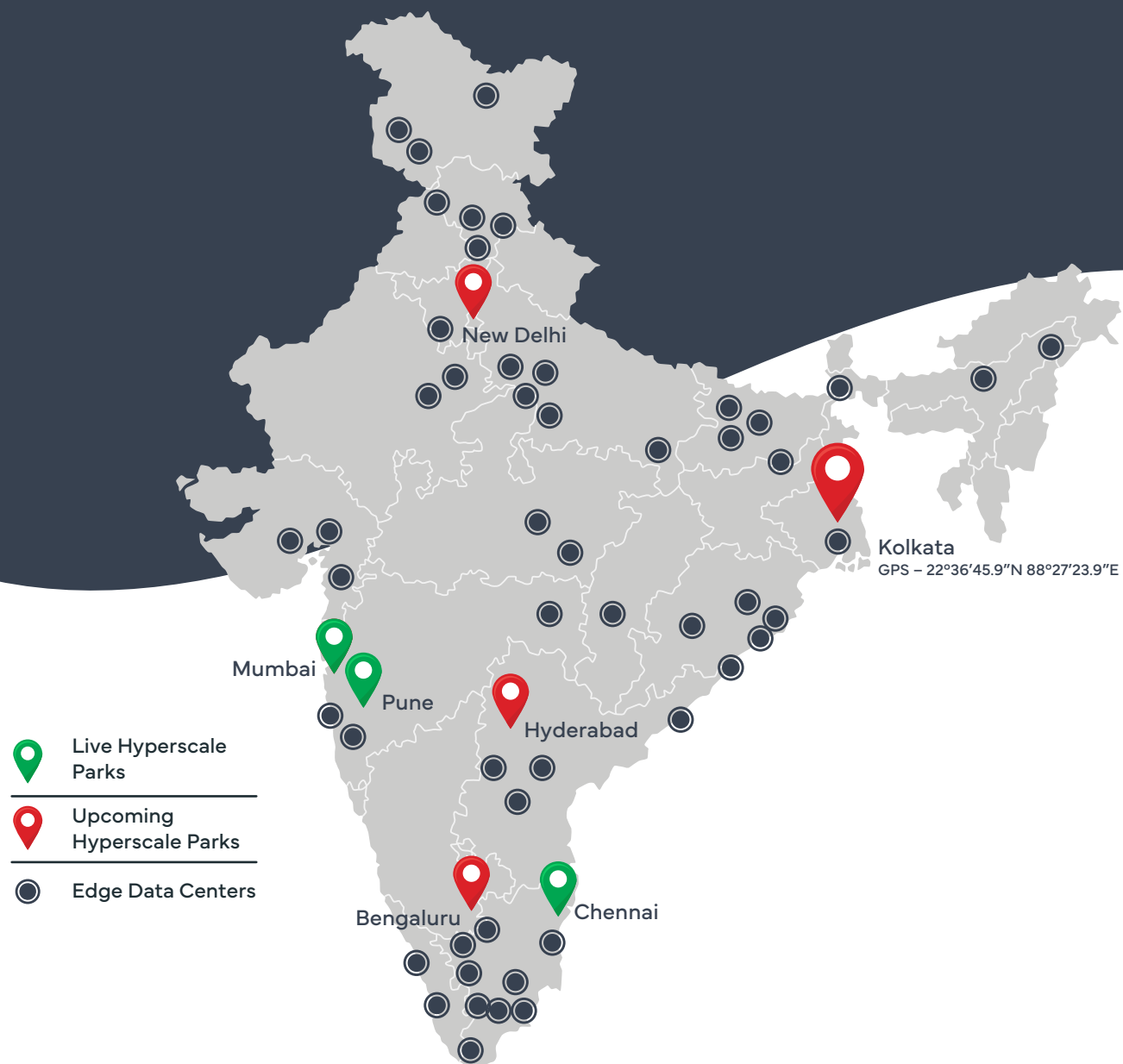
Automation Self-Service

- **BMS:** Intelligent, single pane of glass
- **Remote View:** Secure, customized BMS



Features and Offerings

- ✓ **Rack Space:** Custom-built suites and floors, rack: **55U** height
- ✓ **Power:** HD-powered designs to accommodate **GPU centric** workload
- ✓ **Cooling:** Air based with hot aisle containment, ready for **Liquid cooling**
- ✓ **Reliability:** **99.99%** availability backed by industry-leading SLAs
- ✓ **Interconnect:** Campus, metro, **cloud** and global
- ✓ **Real-Time Monitoring:** **Customized** metrics dashboard



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