nxtra
by airtel

Chennai-II Data Center Park

AI-Ready, Global Data Exchange Hub

nxtra by airtel

Location

- **Sipcot IT Park, Chennai**
- Secure Zone; Demarcated entry/exit, boom barrier, control room
- **CLS: 20 Kms (Trans-Pacific Gateway)**

Civil -Nuances

- **Building: Two towers**
  (T 1 (live) = G + 4, T 2 (RFS: Dec' 26) = G + 6)
- **Floor Landing: 1500 Kgs/Sqm**
- Rack capacity: 8000

Cooling – Optimum and efficient

- Chillers: Air-based
- **Air-cooled design ~ 25 KW per rack**
- **Liquid-cooled design ~ 130 KW per rack**

Power – HD and flexible

- Total IT Power: 40 MW
  (T1 = 16 MW, T2 = 24 MW)
- **Annualized PUE: < 1.5**
- UPS Power Back-up: 15 min
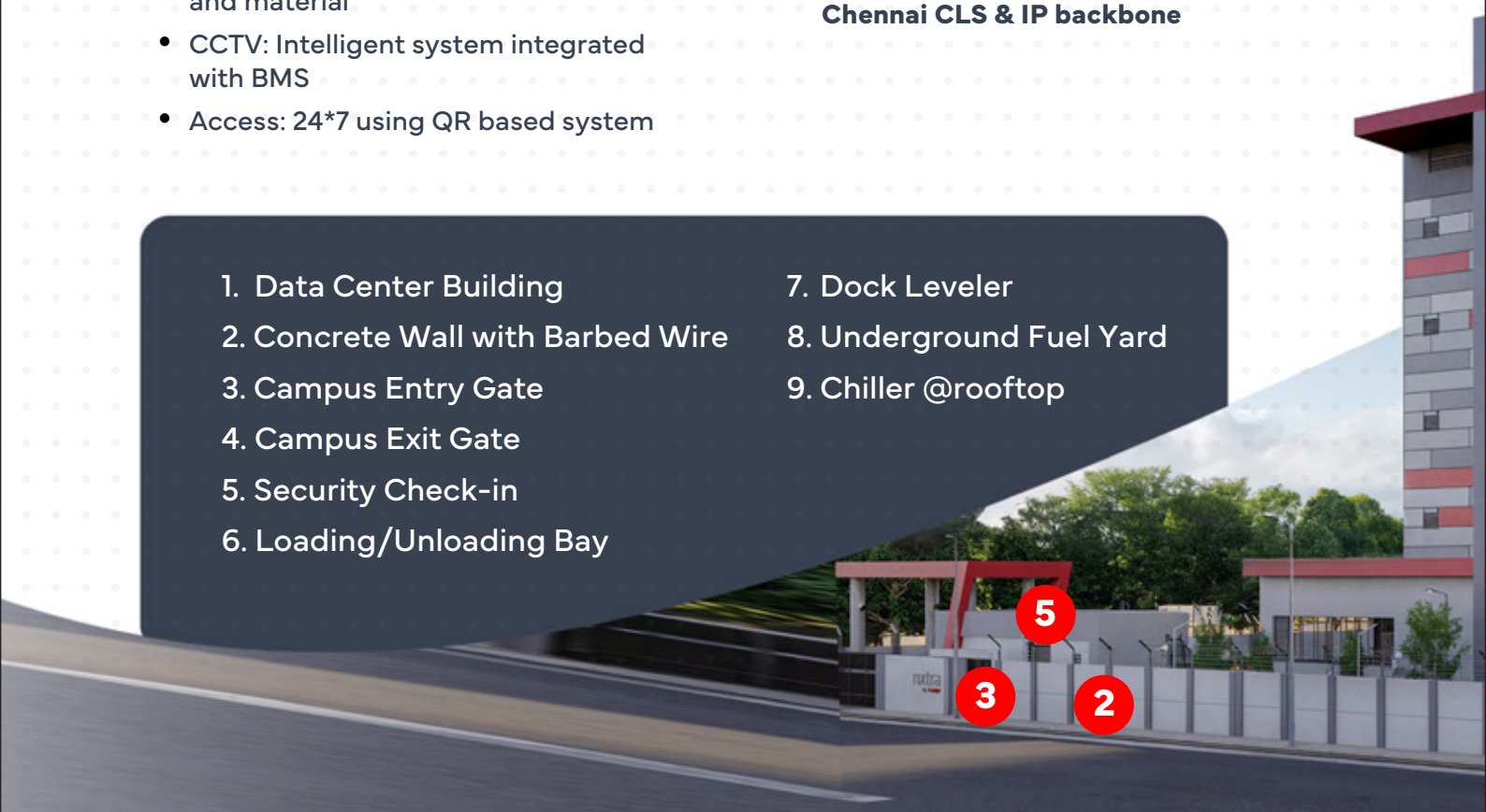- **Fuel Back-up Storage: 48 hours**

Security -Failproof

- **Layers: 7 layers of comprehensive security**
- Entry/Exit: Demarcated for people and material
- CCTV: Intelligent system integrated with BMS
- Access: 24*7 using QR based system

Data Connectivity – Dense and neutral

- MMR -2, Carrier neutral
- **Fiber Entry: 4**
- **Data Hub: Direct connectivity: Chennai CLS & IP backbone**

1. Data Center Building
2. Concrete Wall with Barbed Wire
3. Campus Entry Gate
4. Campus Exit Gate
5. Security Check-in
6. Loading/Unloading Bay
7. Dock Leveler
8. Underground Fuel Yard
9. Chiller @rooftop

![nxtra by airtel logo]

AI-led Operations

- QR based: Maintenance and patrolling
- Control Systems: Integrated with an overlay of AI platform
- Amenities: Customer workspace area, meeting rooms

Environment – Pertinent and green

- **Building: IGBC certified**
- Standard: ASHRAE
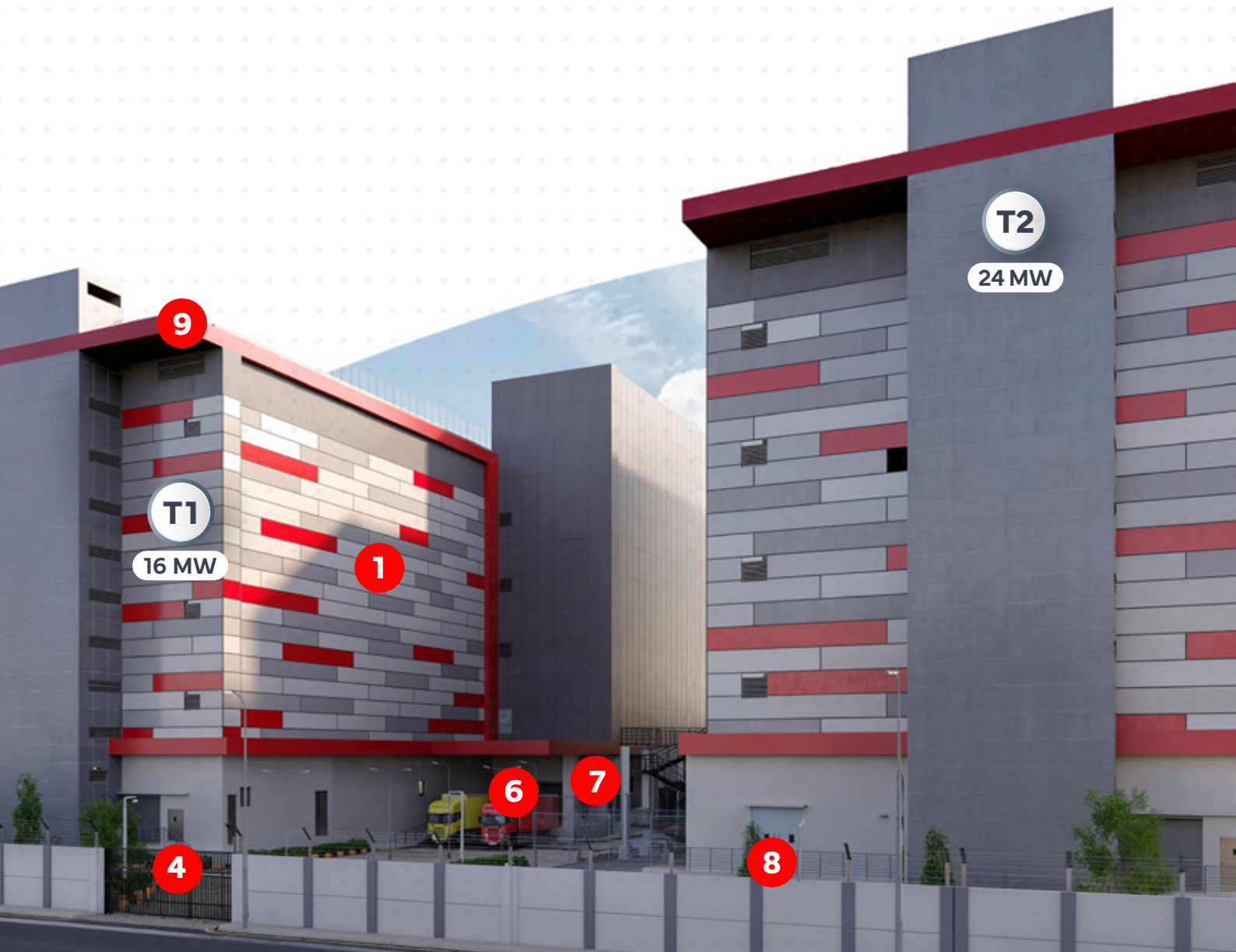- **Power: Renewable energy**

Redundancy - Optimal

- **DC Design: Rated 3**
- Power Distribution: N+ N
- DG Sets: N + 1
- Chillers: N +1
- PAHUs: N + 2

Automation Self-Service

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

T2
24 MW

9

T1
16 MW

1

6

7

4

8

Features and Offerings

nxtra by *airtel*

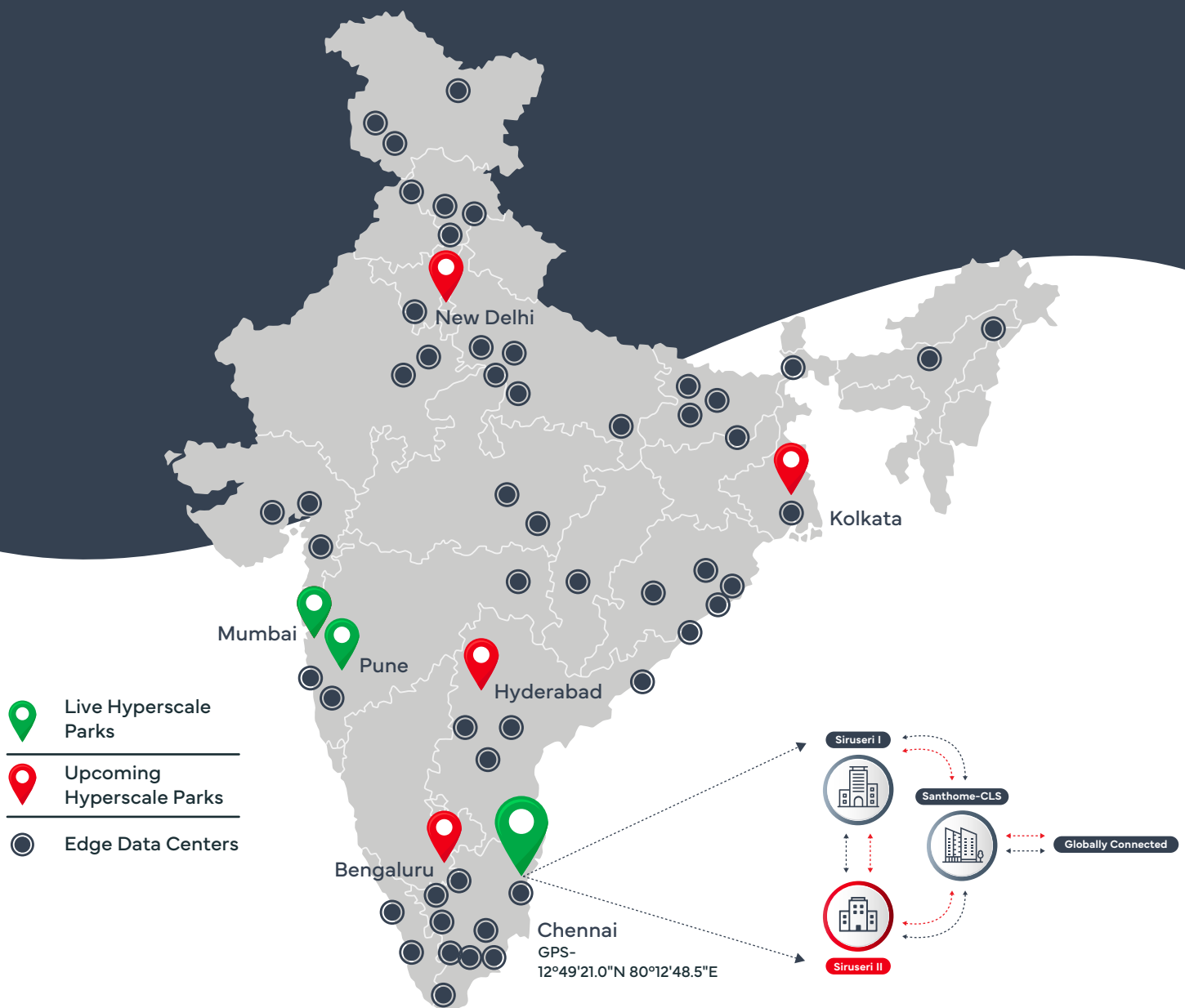**Rack Space:** Custom-built suites and floors, rack: (55U) height

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

New Delhi

Kolkata

Mumbai

Pune

Hyderabad

Bengaluru

Chennai
GPS-
12°49'21.0"N 80°12'48.5"E

Live Hyperscale Parks

Upcoming Hyperscale Parks

Edge Data Centers

Siruseri I

Santhome-CLS

Globally Connected

Siruseri II