



Managing Data Centre Life
Cycle

Corporate Deck 2024

Our
Ikigai :
Sustainable Development





Managing Data Centre Life
Cycle

Corporate AV



https://www.youtube.com/watch?v=xxmgnCKqJ_I&t=43s

ABOUT US



Delivering Complete Datacenter Life Cycle Management Services



Founded in the year 2000 by Mr. Asheesh Garg Head Quartered in New Delhi - India.



More than 90% of customers are among the Top 500 Enterprises in India.



PAN India presence and capability.



Overseas offices soon.



ABOUT US



Delivering Complete Datacenter Life Cycle Management Services



262+

Designed and
Built
Tier/Rated Data
Centers across
India



400+

On-site
Manpower (on
rolls)
deployed
Across India



3 +

Data Center
Audits



24+

Years of
Experienc
e



112+

Managing Data
Centers (DC and
DR) across
India



560+

Locations
covered
across
India





VISION

To foster long-lasting and mutually meaningful partnerships with our customers and business associates by always delivering a credible, ethical, and consistent solution to their business needs.

MISSION

Building Trust..



Education & Experience

- ✓ Post Doctorate from IIT Delhi
- ✓ Ph.D. in Physics (Radio & Telecommunications) from IIT-BHU
- ✓ Has Global Experience working in Leadership Positions with SITA Telecommunications, SPRINT RPG India Ltd & Govt of India.

Dr. V. K. Garg

Chairman

- ✓ Rare Distinction of Launching the Email Service In India
- ✓ Has been a Founder Member & Served in the past as Vice President of the **"Internet Service Providers Association of India."**
- ✓ One of the Key architects in formulation of the Internet Policy by the Government of India.

Leadership



Education & Experience

- ✓ B. E. (Mechanical) from IIT Roorkee
- ✓ MTech (Energy Studies) from IIT Delhi
- ✓ 28 Years of Global Experience of Building Relationships

Asheesh Garg

Managing Director & CEO

- ✓ Founded NIKOM in 2000
- ✓ Member of TiE, ISHRAE
- ✓ Member of Green Data Centre Alliance
- ✓ Passionate about Green Datacenters and Energy Management Solutions

Meet Our Team



Arin Sarkar
Vice President



Vinod Sharma
Chief
Technology
Officer



Mithilesh Singh
General Manager



Gunjan Das
Senior Lead PMO



Prashant Singh
AVP-Strategic
Alliances



**Shri Ram
Ranawat**
DGM Sales



Ayush Gupta
Business
Development
Executive



Prachi Vashistha
HR Executive



Kirti Sharma
BDM



Mahesh Singh
Manager-
Accounts

Meet Our Team



**Vivek
Bansal**
Sr. Project
Manager



Pankaj Rajput
Sr. Solution
Architect



Haris Naved
GM - Projects



Neetu Kumari
Asst Manager HR



Annasa Biswas
Interior
Designer



Anup Sayal
FMS In-Charge



Ravi Mandal
Bid Manager



Jaswinder Kaur
Tender
Executive



Bhuvan Singh
Manager-
Operations



Uday P. Singh
Technical Lead-
North

Meet Our Team



**Nirmal
Prasad**
DGM (Critical
Infrastructure
Services)



Shivangi Jha
Assistant
Manager- Govt.
Sales



Dheeraj Singh
Manager
(Datacenter -
Design &
Engineering)



B S Kiran
Zonal Manager-
South



Jyoti Kumari
Accounts &
Finance



**V.
Laxminarayana**
Project
Manager



**Shalini
Chakrabarty**
Sr. Purchase
Executive



**Uttkarsh
Sharma**
Sr. Project
Coordinator



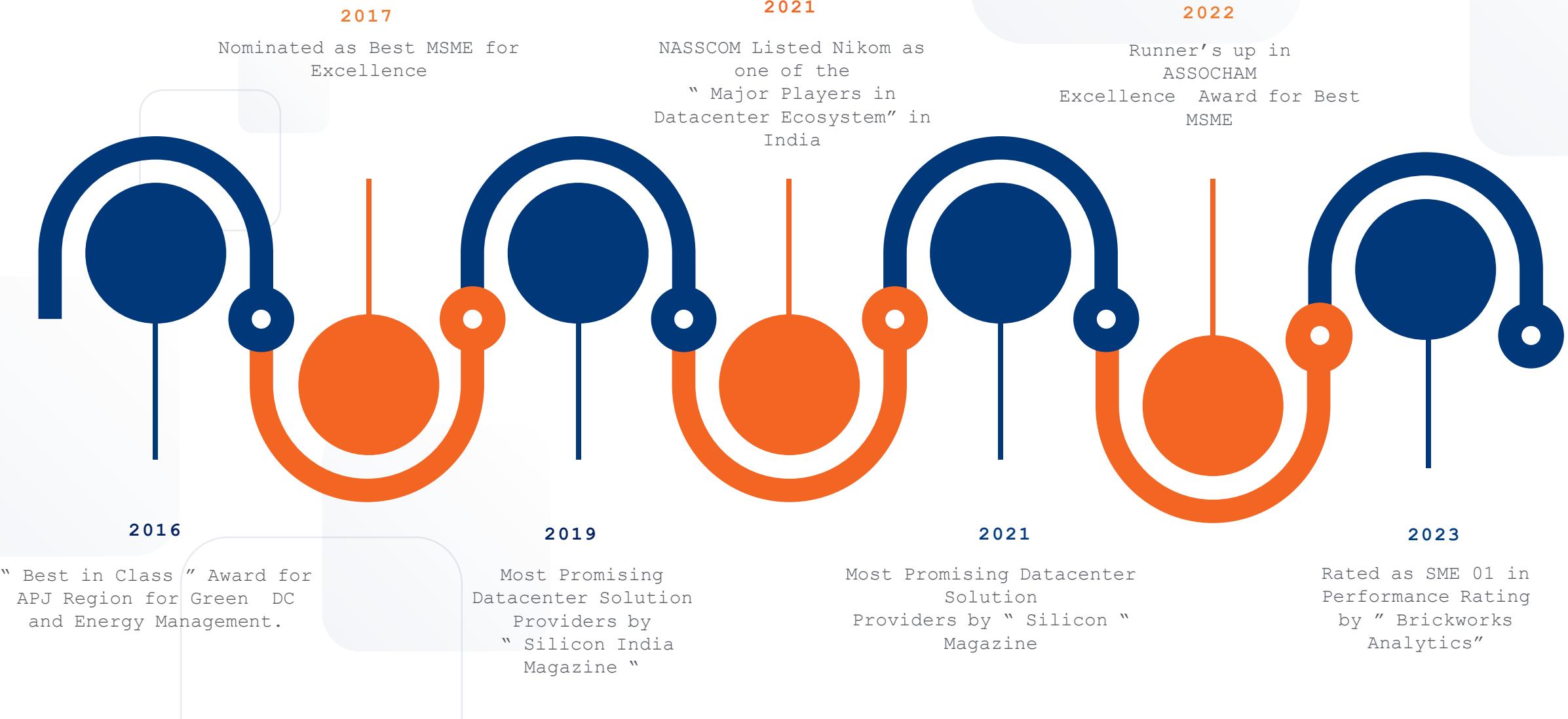
Vijaya Kumari
Sr. HR
Executive



Sunil Gupta
Admin

and many more..

Recognitions Over Last Few Years..





MSME Performance Grading

This is to certify that

Nikom Infrasolutions Private Limited

3rd Floor, 309, 60
Skylark Building, Nehru Place.
New Delhi, Delhi - 110019

has been awarded BWA MSME Performance Grading of

SME-1 *Indicating Highest Credit Worthiness*

in Relation to Other MSMEs

This grading is valid upto
February 16, 2024

A handwritten signature in blue ink, appearing to read "B. S. S." or a similar initials.

Authorised Signatory

MSME Performance Grading



Rated as SME 01 in Performance Rating by " Brickworks Analytics"



ASSOCHAM Award (2022)

Director, Mrs Swati Garg and MD, Mr Asheesh Garg , receiving the MSME Excellence Award from Honorable Union Minister of MSME, Sri Narayan Rane



Vayoshrestha Samman (2017)

Chairman, Dr. V. K. Garg Receiving National Award on behalf of his father for significant
philanthropic contribution
in the Education and Health sector from the Honorable President of India.

Feb' 2021

NASSCOM listed

NIKOM

as

“Major Player in

Data Centre Ecosystem”

In

India

6. Major Players in the Datacentre Ecosystem in India

INDICATIVE



NASSCOM®

Quality Certifications & Associations



Member of ISHRAE



Member of IGBC (CII Green Initiative)



Member of GDCA (Green Datacenter Alliance)



ISO 9001, ISO 14001, ISO 27001, ISO 20000 and ISO 45001 certified.

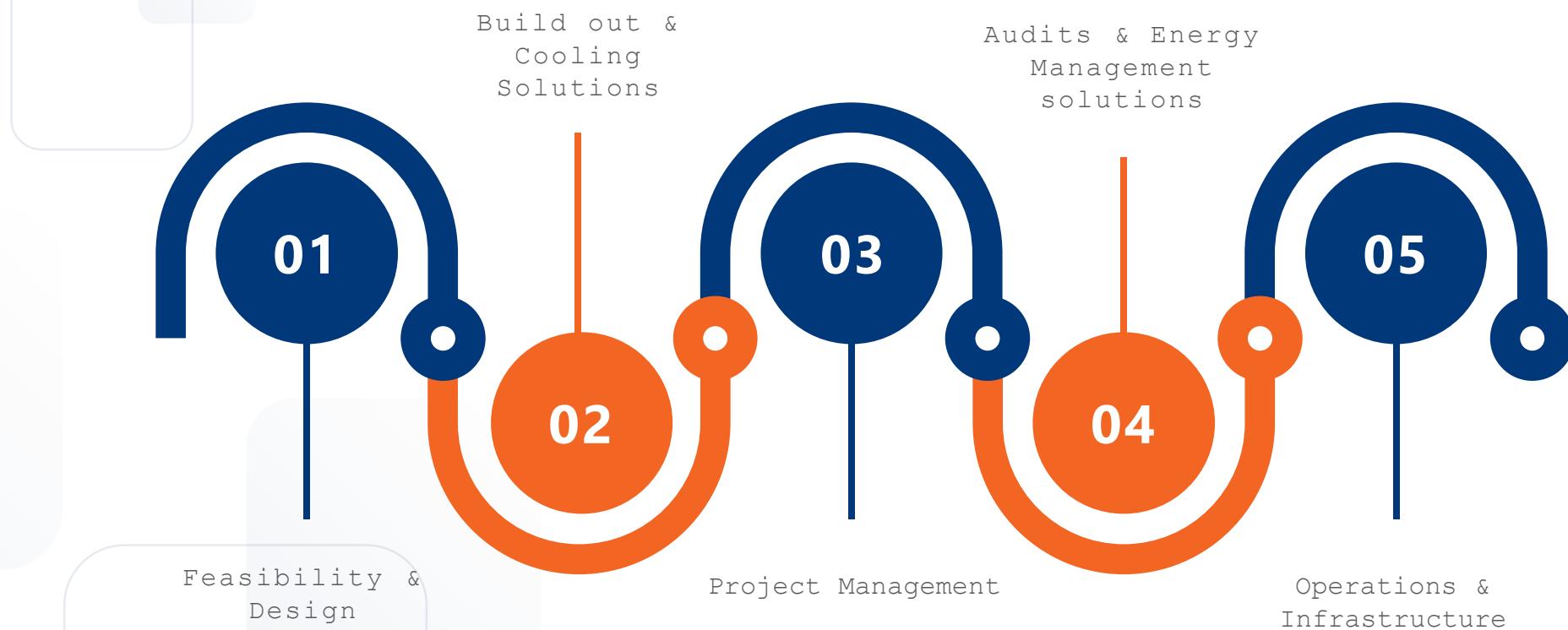


Developed and implemented a World Class registered and patented CMMS software tool " Intelli-Tao".



Got the "Best in Class Award" in APJ for Green DC and Energy Management

Data Centre Lifecycle Management



Competencies



- ✓ DC Design, Build & Consultancy
- ✓ DC Operations & Maintenance
- ✓ DC Project Management
- ✓ Data Centre Retrofit Projects

- ✓ Smart City Solutions
- ✓ Energy Management Solutions
- ✓ AV/ Smart Rooms
- ✓ Grid to Chip Turnkey EPC Projects

- ✓ E-Government Solutions
- ✓ IT & Networking Solutions
- ✓ Operations Command Centre
- ✓ Data Centre Audits

Portfolio



- ✓ Racks- Edge / Smart Racks
- ✓ Modular Smart UPS & PDUs
- ✓ Specialized Cooling & Power Solutions
- ✓ Hyper Computing Cooling

- ✓ Datacentre Monitoring & Management
- ✓ Electrical Works (LT & HT)
- ✓ Videowall and Smart Displays
- ✓ Safety and Security ELV Solutions

- ✓ Civil Structure & Interiors
- ✓ Smart Furniture & Ergonomic Consoles
- ✓ IP Telephony
- ✓ Passive, IT and Wi-Fi solutions

MileStone Projects



Aviva Chennai

Disaster Recovery
Centre

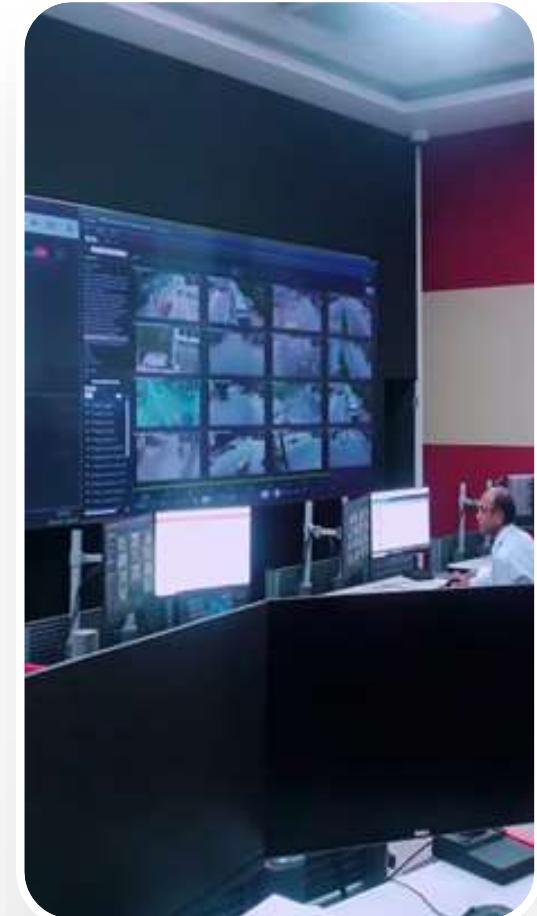


ONGC - Head Quarter

Vasant Kunj, New
Delhi



NHPC datacentre

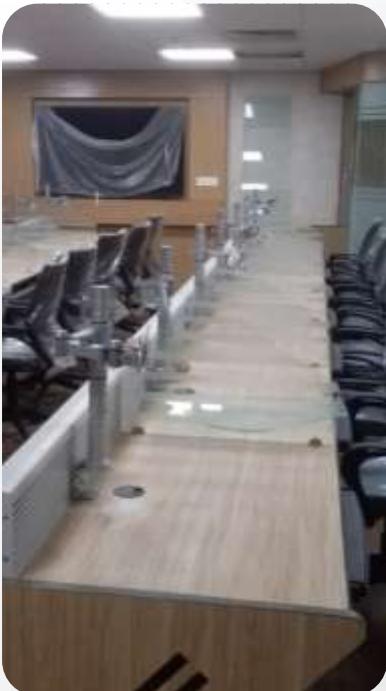


Jaipur Smart City

Command & Control
Centre



Milestone Projects



MHA-ICR-ER

Data Centre &
Furnishing



L & T Info Tech

Income Tax Dept.
Vaishali, Ghaziabad



**Param Siddhi
@ CDAC, Pune**

Super Computing
Centre



Param Ganga@ IIT Roorkee

Super Computing Centre

Milestone Projects



AAI - Hyderabad

Data Centre



NIT-Trichy

Data Centre



IIT Hyderabad

Param Sewa - Super
Computing Centre



IIT- Gandhi Nagar

Data Centre

Organizations that trust us

Infrastructure



JAIPUR SMART CITY LTD.
जयपुर स्मार्ट सिटी लिमिटेड



Transport



Transport



We help people move



Utilities



BSES



उत्तराखण्ड पावर
कारपोरेशन लिंग



Oil & GAS



Power, Oil & GAS



Organizations that trust us

InfoTech

Telecom

Hospitality

Defence

Education

R & D

Healthcare



Coforge

HCLTech



— ●



Organizations that trust us

Consulting

IT / ITES

Manufacturing

BFSI

NGOs



Partners that trust us



Few Recently Completed Prestigious Projects :-

- ✓ CDAC Pune HPC Data Centre
- ✓ CDAC Bengaluru HPC Data Centre
- ✓ IIT Hyderabad HPC Data Centre
- ✓ ONGC, Mumbai Data Centre
- ✓ ONGC, Delhi Data Centre
- ✓ IOCL, Gurugram Data Centre
- ✓ CRIS- Southern Railways Data Centre
- ✓ AAI, Hyderabad (DR)
- ✓ IOCL, Gurugram Data Centre
- ✓ NHPC, Faridabad, Data Centre
- ✓ Bank of India DC, Mumbai
- ✓ Medanta Data Centre,
- ✓ CSIR, Hyderabad

262+

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Built Tier/Rated
Data Centers
across India



400+

On-site Manpower
(on rolls)
deployed Across
India

3 +

Data Center
Audits





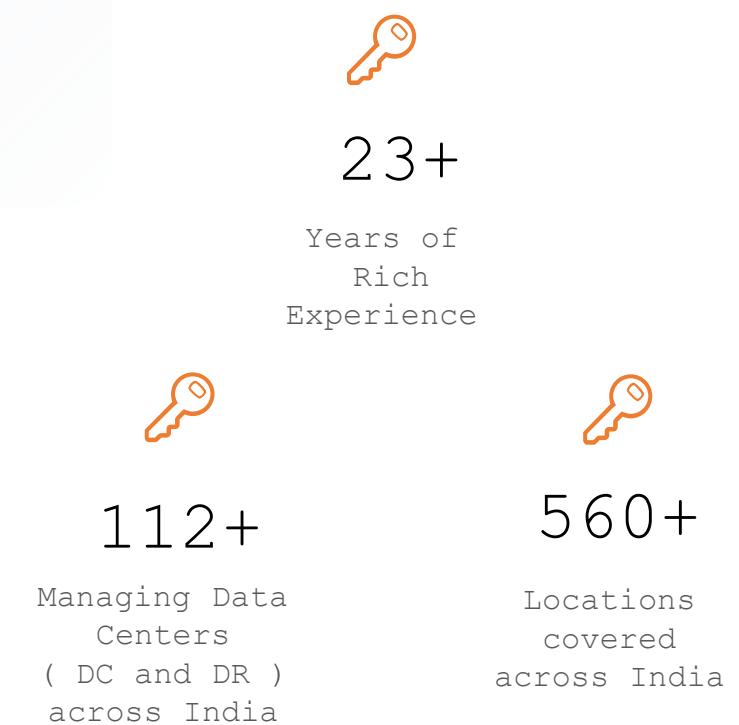
Jaipur Development Authority Smart City Project – Command & Control Data Centre

"Hon'ble CM of Rajasthan" & "CEO of Cisco", Mr. John Chambers at the Inauguration of JDA Smart City Project

Key O&M Customers :

- ✓ AAI AOCC 6 locations AAI Chennai
- ✓ AAI DR Hyderabad
- ✓ AAI Chennai N/W
- ✓ IIT Hyderabad
- ✓ JDA, Command Centre , Jaipur
- ✓ UPCL DC & DR, Uttarakhand
- ✓ HPSEB Data Centre, Shimla
- ✓ ONGC Data Centre, Delhi

- ✓ CDOT , Data Centre, Delhi
- ✓ RCFL , Mumbai
- ✓ Punjab National Bank , Delhi
- ✓ Bank of India , Mumbai
- ✓ LIC of India , North Central Zone
- ✓ PGCIL DC, Manesar
- ✓ IIT Roorkee
- ✓ IIT Gandhinagar
- ✓ NIT Trichy



Key Elements of Project Implementation



01

SCOPE

Clearly Define the Scope
of the Project

02

QUALITY

Constant Quality
Management

03

EFFORTS

Continuous Efforts to
Monitor & Track

04

RISK

Proper Risk
Management

05

TIME

Effective Time Management



Rack Infrastructure Management



Infrastructure management system ensures matching of facilities resources and changing IT needs.



Prevents downtime, reduce operating expenses, improves resilience and response.



Can provide centralized, real-time monitoring of all rack assets



Support Methodology



Environmental Health & Safety



Maintenance Management



Asset Management



Documentation Management



Infrastructure Management



Energy Management



Personnel Engagement
Incentive model /
retention)



Emergency Preparedness and
response



Change Management



Training



Quality Management



Performance Monitoring &
Review



Environmental Health & Safety



Comprehensive Workplace Safety Program



Injury & illness
Prevention



Electrical Safety



Hazard Analysis & Communication



Personal Protective Equipment
(PPE)



Compliance with Applicable Health &
Safety Laws



Personnel Engagement



Ensuring a "Mission Critical
Mentality"



SME from disciplines like Electrical,
Mechanical,



Controls, Fire, Quality Management , Training,
and
Staffing Model in tune with facility
CMMS, DCIM, BMS systems



business functions, and operational
mandates.
Well defined roles and
responsibilities .



Ensuring compliance to all GOI wage and
labor
regulations.



Reward & Recognition Programs.

Last but not the least ,
Communicating .



Emergency Preparedness



Timely, Effective and
Error-free Response



Developing EOP* for safely
isolating faults & restoring
service or redundancy when
possible.



Escalation Procedures.



Scenario drills to be
conducted.



RCA to be conducted.



Formal Failure Analysis

*EOP - Emergency Operating Procedures



Change Management



Making a detailed checklist of each step .



Date/time/site/contact info/procedure review/predicted effects / documentation/ safety requirements/risks and assumptions/



step by step work details/back-out procedures /

Coordination with OEM vendors and 3rd approvals/completion sign-offs / feedback party

service providers.



Documentation Management



Records of critical infra
to
be well - organized.



"Intellitao" Customer Support
Management software



Right documentation
ensures business and
operational seamlessness
and continuity.



Training



Suitable Training Program



Basic, Intermediate , and advanced Training program ensuring all technicians etc are abreast of latest developments.



Engineer / supervisors etc. to have requisite qualifications/ updated certifications.



Training program ensuring all technicians etc are abreast of latest developments.



Quality Management



Focus on Quality and Improvement .



Quality Assurance (Process Standardization)



Quality Check (Checks, Inspections, and Audits)



Continuous Quality Improvement



Energy Management



Performance Benchmarking
(existing energy usage ; cost reduction program; etc.)



Efficiency Analysis (means to increase efficiency of power and cooling infra)



Strategic Energy Sourcing



Performance Monitoring & Review



Quality Process.



Key KPIs



Load Uptime



Load Redundancy



Support System
Uptime



Maintenance Completion



Staffing Coverage



Safety Policy Conformance



Emergency Response Procedure



Quality
Control



Operational
Reporting



Event Notification and
Escalation



Timely and Accurate Cost
Reporting



Incident Management Solution



Ensures smooth operations throughout Data Centre lifecycle



Planned PM and predictive maintenance Plans



Improving equipment reliability and system availability



3 main tasks -

Asset Management

Work order Management

Spare parts Management



In-house CMMS (Computerized Maintenance Management System) **Intellitao**

And the journey continues !!



Nikom InfraSolutions Pvt. Ltd.

Managing Data Centre Life
Cycle..

