

Data Center Services Portfolio



Advisory | Colocation | Operator
 Design | Build | PMC





Data Center Services Portfolio

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Partnering for Mission Critical IT Deployment

Pi DATACENTERS® have been an expert in providing data center services for the last eight years. We have designed, built, and operated India's first Greenfield Uptime TIER IV Certified Datacenter. With profound global expertise, Pi is Headquartered in Hyderabad, India, and has dedicated teams of professionals for data center Advisory, Design, Build, and PMC.

Furthermore, we provide a trusted global platform and are an end-to-end data center operator for large enterprises and other data center owners. We provide a one-stop solution for all kinds of data center requirements for Corporations & Hyperscalers. Pi distinguishes itself by optimizing resources to minimize cost and deliver the best upshots, including seamless connections and world-class experiences. Our certifications include Uptime TIER IV, MeitY, STQC, SOC 2 Type II, PCI DSS, HIPAA, and ISO 22301:2012, ISO 27001:2013, ISO 20000-1:2011, ISO 140001:2015, and ISO 9001:2015. Being SAP Certified in Infrastructure Operations drives confidence in enterprises to partner with us for their Digital Transformation journey.

Advisory

It is imperative to get the right advice when building your data center, right from the conceptualization phase—from selecting land or a location to sizing the data center's capacity to suit your current and prospective prerequisites. Our proficient team can comprehend your requirements and prepare a thorough assessment and its associated estimated cost. Sizing the data center is a critical factor in controlling your expenses. Understanding the requirements and appropriate advice on sizing for power, cooling, and other electrical & mechanical components is a must. Further detailing includes estimating the Construction Area, Compartmentalization, among others, and Load-bearing Capacity.

Key Element Driving Location Selection

- Seismic Zone Category
- History of Natural Calamities
- Power
- Fiber Connectivity
- Water Supply
- Ease of Regulatory Approvals

Colocation Services

Private Suites:

With an innovative modular design, we offer physically separated private suites (DC in a DC) to meet high compliance and high-volume colocation requirements from enterprises. These private suites are designed keeping in mind the varied quantum of racks with various power capacities, critical operations, and security needs.

Rack Colocation:

We provide secure lockable rack cabinets with power and high-speed network connectivity in modular data suites of varied sizes to colocate compute, storage, and network appliances. These data suites are equipped with dedicated air conditioning. Depending on customer requirements, these digitally secured cabinets are available as part of a dedicated or shared suite.

Caged Solution:

Designed for enterprises looking for flexible options but desiring to retain complete control over their environment, from environmental conditions to security.

Whitespace:

State-of-the-Art equipped Plug-and-Play ready space is available for customers to deploy their cabinets and IT equipment.



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Sub-Cabinet Service:

This is suitable for enterprises that want to leverage a shared rack to colocate a handful of IT appliances on a "Per U" basis while still enjoying a fully redundant data center environment. This is backed by independent N+N power and cable feeds and is best suited for starting small and scaling at will.

Hands and Feet Support:

Our Hands and Feet Support helps in assisting customers in preliminary physical checks of their hosted environment, port & cabling checks, reporting equipment indicators, and on-demand physical reboots. This service is an extended arm for customers without personal presence inside the data center.

Operator

Pi Datacenters® has extensive operating experience with large to medium-sized data centers for enterprises and governments. Our data center operation comprises systems and workflows within a data center that keep it running. It includes installing and maintaining network resources, ensuring data center security, and monitoring systems for power and cooling. The IT requirements of companies that own data centers define many types of data centers, varying in size, reliability, and redundancy.

The growth of cloud computing is pushing data centers to modernize, including with updated operations that take advantage of virtualization and automation. As time-tested and industry-weighted data center operators, we bring in the expertise & in-depth knowledge to put all the dots together and bridge the gaps as your trusted partner to operate your data center.

Design

The Data Center design is the vital aspect that determines your total CAPEX and OPEX. Once the implementation is complete, it becomes problematic to undo a sub-optimal design; however, an optimal design can save millions in terms of CAPEX and OPEX. The Pi design team consists of UPTIME-Certified Architects (ATDs) who can bring your vision to reality through their experience and expertise by assimilating the essential features required for a Data Center to run.

The design includes the Master plan, Structural design, Mechanical & Electrical Design Drawings, HVAC, Security/ Surveillance, Fire Suppression, Access Controls, and End-to-End Automation. Our deliverables also include Design Certifications.

Build

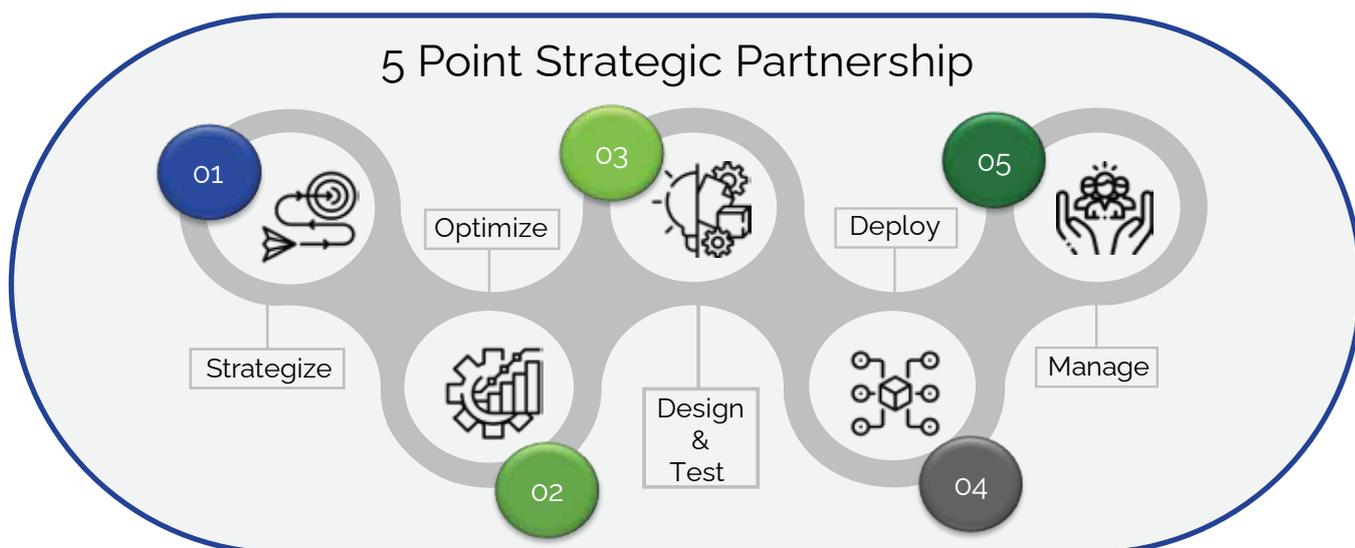
Data Center build differs from traditional buildings, and the load-bearing, compartmentalization, and significant structural spans play a critical role. However, often it is easy to overdo the sizing, which inflates the overall cost unless it is designed and built appropriately. We have expertise in selecting the right construction partner for the civil and

M&E phases of the project, among others, to execute the build of the DC in the stipulated time. Getting construction & statutory approvals on time is imperative. Our experts have extensive experience working on the ground with the relevant statutory bodies, which will assist you in meeting your objectives.

Project Management Consultancy (PMC)

To ensure on-time completion, addressing the project timelines is critical, besides the quality tasks and processes being implemented. The PMC encloses execution and completion of the scope of all the essential aspects, including Civil, Electrical, and Mechanical, which contains low side, HVAC, Security/ Surveillance,

Fire Suppression, Access Controls, and End-to-End Automation. Once the project is complete, we ensure end-to-end testing with the appointed agency to guarantee validation against the design parameters before handing it over.



Pi eliminates the need for enterprises to build, staff, and manage in-house server rooms or data centers. We work as an extended team for enterprises, and we can fulfill their business need for managed Colocation Services, hands-and-feet support, and 24x7 monitoring. All these are supported by a robust analytical capability that enables enterprises to have a pragmatic performance trend analysis for their colocated IT infrastructure. Enterprises get complete freedom to focus on their business growth.

Building and maintaining a newly developed, agile, and scalable IT infrastructure can be highly complex in terms of service availability and skill management. It compounds when IT infrastructure is not of core business interest to the enterprise, resulting in soaring TCO and continuously reducing ROI. This is where Pi, with its core of hyper-scale data center services, adds significant value to enterprises for their IT infrastructure needs.

Data Center Locations Build to Suit Availability

Pi Vijayawada

Location : Mangalagiri, Andhra Pradesh



- **Land** – 10 Acres in IT Park
- **Design** - Uptime **TIER IV**
- **No of Racks:** Up to 5000
- **Power Capacity:** Up to 60 MW

Pi Hyderabad

Location : Financial District, Telangana



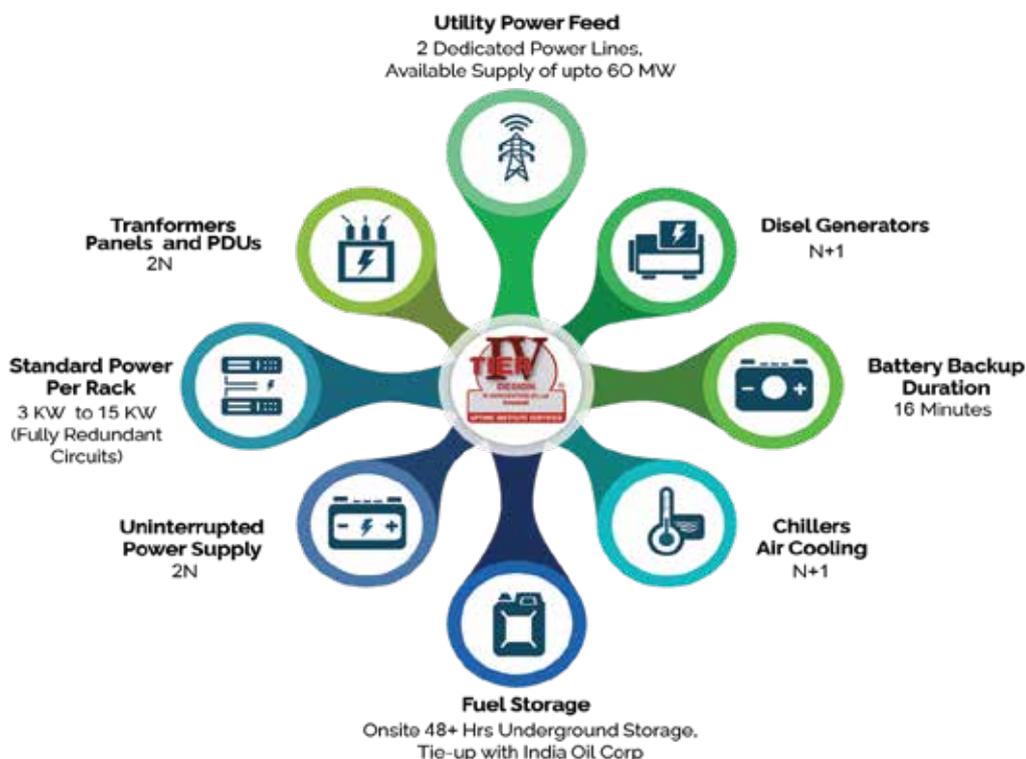
- **Land** – 5000 sq. Ft.
- **Design** - Uptime **TIER III** or Per Requirement
- **No of Racks:** 83
- **Power Capacity:** 3 MW

Pi Kochi

Location : Aroor, Kerala



- **Land** – 6 Acres in IT Park
- **Design** - Uptime **TIER IV** or Per Requirement
- **No of Racks:** Up to 3000
- **Power Capacity:** Up to 100 MW



Pi can also project manage and build-to-suit data centers in other Indian cities, including prominent business hubs like



Delhi



Mumbai



Pune



Hyderabad



Bangalore



Chennai

Design Considerations

<p>Data Hall Room Temperature 22+/-2 Deg. C</p> <hr/> <p>Relative Humidity 50+/-10 % (Controlled by Dehumidifier)</p> 	<p>UPS Switch Rooms Room Temperature 25+/-2 Deg. C</p> <hr/> <p>Relative Humidity 50+/-10 %</p> 	<p>Battery Room Room Temperature 25+/-2 Deg. C</p> <hr/> <p>Relative Humidity 50+/-10 %</p> 
<p>Chilled Water Supply Temperature 8 Deg. C</p> <hr/> <p>Return Temperature 15 Deg. C</p> 	<p>Office & All Other Air - Conditioning Rooms Room Temperature 22+/-2 Deg. C</p> <hr/> <p>Relative Humidity Less Than 70%</p> 	

Benefits of Our Data Center Services







Modular Architecture: Modular Private Data Suites with custom rack capacity and flexibility for future scaling. Each suite can be dedicated or be a multi-tenant environment in itself.

SCADA/DCIM:
Can enable a 100% automated SCADA/DCIM facility wherein all electrical, mechanical, HVAC, fire safety, security, and surveillance equipment would be monitored live and could be controlled instantly with a click of a button from an in-house Global Command Center.

Uncompromised Security: Multi level stringent security from the main entrance to the data racks. All Data suites and NOCs are to be facilitated with biometric/physical key access and monitored and managed through the global industry standard IBMS.

Dedicated NOCs: We can create Exclusive Customer-NOCs for Enterprises to manage their network, systems, applications, and security in a private and secured environment.

Rapid Deployment: With Plug-and-Play design & deployment methodology, we have proven expertise in enabling data centers with private suites where customers can collocate their IT infrastructure in a matter of days compared to months at traditional data centers.

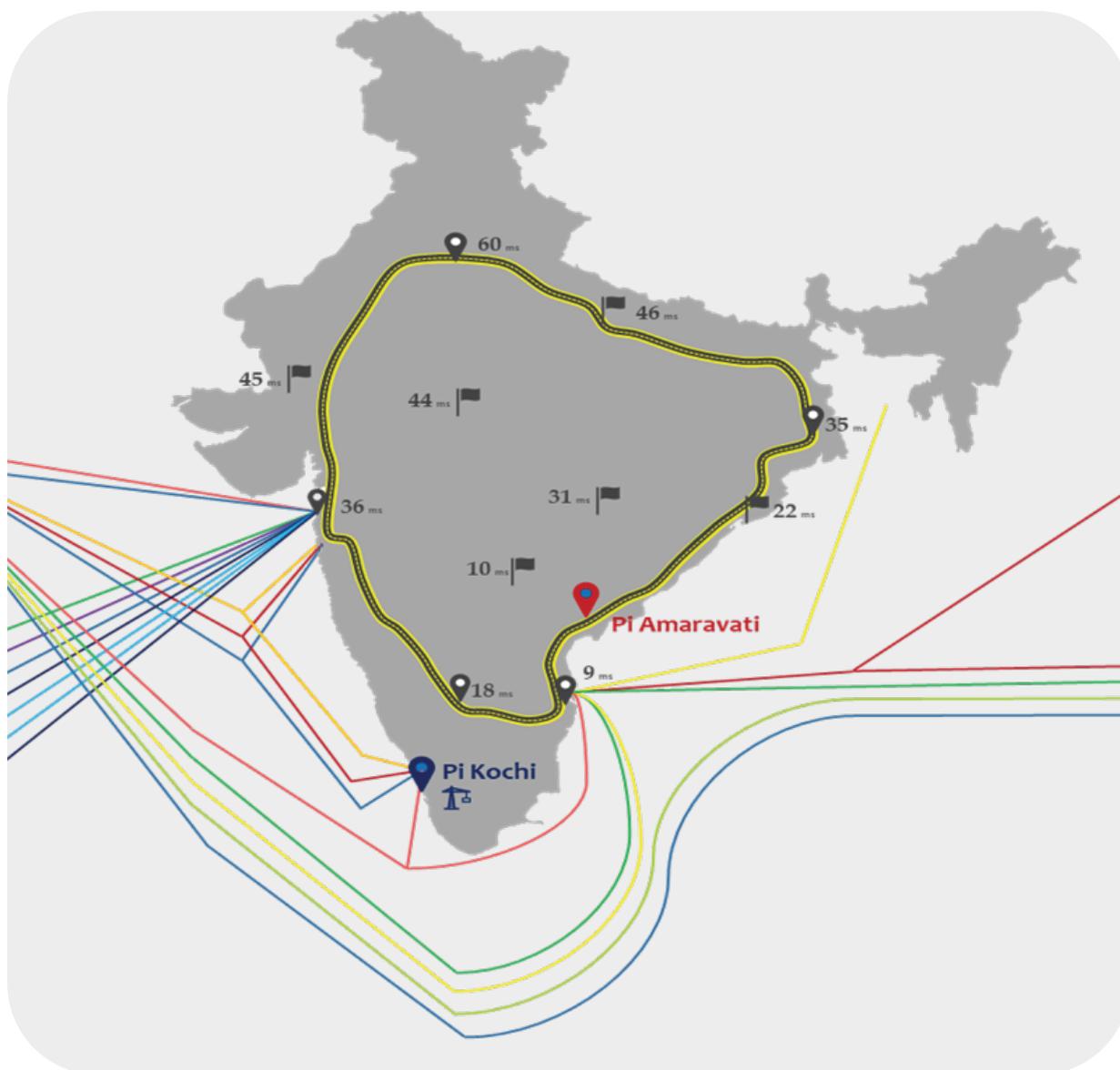
Low Total Cost of Ownership: Innovative data center design, better PUE, low power cost, and a flexible business model translate to significant cost savings for our customers.



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Ultra Low Latency to Major Indian Cities



ISP of Choice



Better Connectivity



Bandwidth: Scalable to Petabytes



Redundant fiber routes to DC



Internet Exchange

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Real Time Data Center Pictures

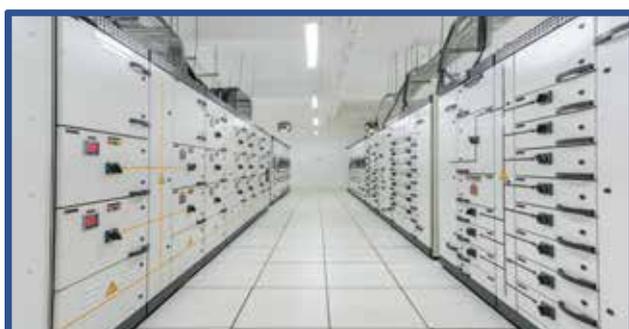




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Real Time Data Center Pictures



Technology Partners



Infrastructure Partners





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About Us

Pi DATACENTERS® is a story envisioned by technocrats, led by its Founder & CEO, Mr. Kalyan Muppaneni. The vision was to redefine the customer experience while fueling the customer's business growth. This was backed by the mission to introduce Hyperscale data centers & indigenous enterprise cloud to the Indian industry with intelligent and self-healing infrastructure.

With a cumulative capacity of 500,000 sq ft of built-up area and 60 MW of power, including a dedicated in-house substation, Pi is by far India's first Greenfield, and World's 4th largest Uptime Institute TIER IV Certified Datacenter and Multi-Cloud provider, headquartered at Hyderabad (Telangana, India). Pi operates out of its data centers and cloud points of presence across Vijayawada (AP), Hyderabad, Kochi, and Mumbai. The objective is to differentiate high-quality and high-performance data center hosting while maintaining optimal TCO in supporting businesses for Indian and global enterprises operating in India.

With a backdrop of an extensive review and audit lifecycle, Pi DATACENTERS® is Meity-empanelled and on GEM. Pi was empaneled by Meity and received full accreditation for all three cloud modalities: public cloud, government virtual private cloud, and government community cloud.

The focus has been on delivering futuristic and custom data center and cloud solutions, riding on a disruptive approach to technology as India's leading data center and cloud company. Pi is highly trusted for being the flag bearer of data localization and data sovereignty, coupled with world-class service quality delivered out of its 100% automated SCADA-enabled data center facilities & SDDC ecosystem. Pi is certified for 6027001, 1509000, ISO 140001, 15020000, ISO 22301, STQC, PCI-DSS, SOC2 Type I, and HIPAA This has been reinforcing the organization's strong operational process to meet the stringent privacy, security, quality, and service compliance parameters of the global industry.

Pi is also certified for SAP HANA operations, SAP Infrastructure and Cloud Operations, and SAP Hosting Operations. This enables digital transformation across enterprises for the smooth and secure operation of business-critical processes.

Pi brings the best of both worlds together in terms of global standard and cost linearity. It boasts of its Hyperscale facilities, offering a wide range of custom-made colocation and cloud services for enterprises across all scales and Industries.

Pi has been featured on Gartner's Market Guide as one of the top data centers in India for the last 3 years in a row and as one of the top Public Cloud Managed and Professional Services Providers at the Asia/Pacific level for the year 2021. Pi has also been recognized as India's Best Multi-Tenant Data Center by Datacenter Dynamics. These are apart from many other laurels and accolades, earned at domestic and global platforms.

Being synonymized for work culture activism, Pi fosters employees' openness to new challenges and learning as they take up the trajectory of their work lives. Being respected and valued adds to the zeal that makes Pi a Great Place to Work. Pi has been recognized by Great Place to Work® India among the Top 50—India's Best Workplaces for Women in 2021 and the Top 50—India's Great Mid-Sized Workplaces in 2021.



Headquarters

12th Floor, Vijaya Krishna Towers, Besides Fairfield by Marriott, Financial District Gachibowli, near Golf Edge Residence Road, Apartments, Hyderabad, Telangana 500032

Regional Offices: Vijayawada | Mumbai | Delhi | Bangalore | Chennai | Kochi | Pune

Contact us reachus@pidatacenters.com