



PUNDIT CORPORATE PROFILE

Data Centre Consultancy Audit Training



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CEO's Message

Welcome to PUNDIT!

As you navigate our profile, I hope you learn more about the qualities that make we are specialist on Data Centre and IT Consultancy, Audit and Training industry with reputed delivery of service. We have earned the trust and respect of customers for one simple reason — we have great people with great delivery or service. Our consultants, trainers and auditors are experts in their fields. They bring a strong service ethos to everything they do. We bring passion, pride and experience together.



We are experienced.

We have proven experience in Datacenter & IT Industry with experience in establishing and leading information & communication technology (ICT) infrastructure, services and systems, as well as managing teams and projects with government, banking, private, telecommunication and international organizations. Experienced in Datacenter Design and Certification on TIA-942 and Uptime Institute. We are experienced in defining IT Datacenter Design, Build, strategic plan, operational plan, service level agreement (SLA), and capacity development programs along with project planning, implementation, monitoring & evaluation (PIME) process. We have strong technical background in determining the requirements for an organization's Data Centre, ICT infrastructure and information systems including technical solution architecture.

We have a client first philosophy.

We have only one objective: to ensure our clients mission objectives are achieved with the highest level of capability and assurance, and at the lowest possible cost. PUNDIT's clients come to us with confidence that we have the expertise to take service delivery to the next level of performance. We live out our values. PUNDIT's corporate culture is defined by a simple set of corporate values that define how we operate every single day — Trust, Care, Innovation, and Pride. They reflect how we interact with our clients, our colleagues, and our communities. We hold each other accountable for creating a company we can all be proud to work at.

MD SHOROER MORSHAD PORAG
Chief Executive Officer
PUNDIT

CORPORATE PROFILE OF PUNDIT



Consultancy Service

- Data Centre & IT Infrastructure
- Technical Specification & RFP
- Design & Bid Evaluation
- Project Implementation
- Testing & Commissioning
- Quality Management

Audit & Certification

- UPTIME to TIA-942
- Data Centre Design Certification
- Data Centre Facility Certification
- Data Centre Operation Certification
- ISO Certification
- PCI DSS Certification
- Variability Testing Audit

Training & Certification

- EPI Data Centre Training
- IT Service Management
- Cyber Security
- ISO Lead Auditor
- DevOps & Big Data
- Cloud Computing
- Agile & Scrum
- PCI DSS

What We Do

Pundit Data Center Consulting Group has emerged as a market leader for 21st century data center strategies, management, evaluations and performance. We assist regional, domestic and multinational organizations with an array of services inclusive of all data center related activities. Our global team includes subject matter experts in every region of the world. The group has a unique structure ensuring consistent service across geographies and service-lines. Our expertise and experience is unmatched in the industry and includes a staff of engineers and data center designers.

Our Data Center Consulting Group is renowned for creative solutions to age old problems. We believe that the client's needs are the key to developing the appropriate short and long-term strategies. With insight that can only be provided by industry experts and up-to-date engineering mechanics, we are able to propose and implement flexible solutions that will stand the test of time.

Today, every small data is vital to a company's competitiveness and any loss of data can create serious concerns. Uninterrupted power for data center loads has become a basic requirement. Our team of professional engineers address the imperatives of monitoring energy consumption and improving power quality, whilst reducing your data center's total cost of operation.

We will help you with end to end solutions from consulting, design, supply and installation to complete service. A customer driven approach ensures robust and rationalized IT Infrastructure and standard technology components, tools and processes. We judiciously select technology and vendors which include functional fit with customer requirements, technical capabilities and competencies, integration requirements etc.

SERVICES

Critical Infrastructure Lifecycle Solutions (CILS)

The fundamental criterion for developing the Critical Infrastructure Lifecycle Solutions (CILS) is to cover every aspect of the critical infrastructure needs. As these critical infrastructures house sensitive and high-end servers and data storage systems, companies will need to look at providing the optimum environment for them, be it power and cooling support or space optimization for expandability and resiliency.

More highly powered server systems are packed together per footprint with the advancement of technology and scarcity in space. This results in the ever increasing heat load that directly impacts the temperature and power consumption of the area. The need for proper infrastructure design, especially in areas of power and cooling is vital to prolong the lifespan of these server systems and prevent potential failures.

Be it adopting the entire lifecycle or jump-start at any point of the lifecycle, PUNDIT demonstrates the best capabilities to manage any part of the process.

PUNDIT's CILS covers Audit & Feasibilities Studies, Design & Drafting, Project Management, Procurement, Testing & Commissioning, On-site Technical Support, Preventive Maintenance and Facilities Management.



Audit & Feasibility Studies



Starting from choosing the optimum location for the critical infrastructure, PUNDIT provides comprehensive auditing services to study the site conditions for either new or existing sites. Evaluating the company's business objectives, requirements and financial, a detailed feasibility studies shall be carried out to develop a risk mitigation plan against any potential impact to the operations.

The essence of the plan will take into consideration of key elements like power and cooling capabilities, critical infrastructure structure and layout as well as maintainability, including providing proposal and budgetary summaries.

Our Audit & Feasibility studies includes :

On-site environmental, equipment analysis

Information collection on company's business tangibles, site requirements, budget and forecasts

Risk mitigation plan

Design & Drafting



Branching from the plan developed from the Audit & Feasibilities studies, PUNDIT shall develop design of the critical infrastructure which covers space planning, servers and facilities equipment placement, power and cooling planning for effective utilization and future expansion, if any.

PUNDIT in-house design and drafting teams are geared with years of accumulated experience in the critical infrastructure areas, to be able to provide sound advice and comprehensive designs and layout plans suited to specific needs.

With key focus in critical infrastructure design, PUNDIT also provides a complementary service in office interior design as well.

Our Design & Drafting services includes :

Space planning

Critical infrastructure equipment calculation, forecast and product recommendation, especially in areas of power and cooling

Tier criteria development and recommendation

Cadcam drawing for facilities updates, electrical single-line drawings, etc

Products & Materials Procurement

As part of the CILS, PUNDIT provides recommendations and procurement of the critical infrastructure equipment. PUNDIT is able to recommend equipment for unique applications, complying with individual company's operational needs. With good relationships established with multiple equipment providers, PUNDIT looks at offering quality and price effective products, delivered on-site on time. The procurement process shall include :

Procurement of equipment in accordance to performance and technical specifications

Equipment delivery scheduling as per project plan

Ensuring factory test certification from manufacturers

Cost control

Project Management



PUNDIT project team jump starts from the design process to undertake the heavy and tedious task to set up the critical infrastructure. From managing a group of qualified contractors, to the build up of the infrastructure, the project team provides sound advice and execution process to ensure the project is carried out in accordance to design, timeline and budget.

The Project Management process includes :

On-site contractors and human resource management

Project planning, methodology, reviews and baseline controls

Schedule planning and follow-up

Cost management

Procurement management in identifying budget constraints, lead-time

Adhering to quality goals in project execution

Ensure proper communications and information flow internally and externally

Identification, foresee and control any potential risk impact

Testing & Commissioning



Before the handover of site to the client, PUNDIT's Testing & Commissioning team shall conduct an overall testing of all equipment and systems installed to ensure quality and smooth operation of the critical infrastructure. PUNDIT qualified team shall work together with the equipment provider in the process and ensure every equipment is thoroughly checked and tested.

The Testing & Commissioning process includes :

- Reference design criteria to infrastructure build-up and equipment set up
- Work through a pre-established testing & commissioning specifications
- Scan through every level of equipment, especially in critical areas like electrical and mechanical
- Evaluates overall operation as a whole

On-Site Technical Support

PUNDIT provides 24 x 7 on-site troubleshooting and rectification support to the critical infrastructure within 2 hours upon phone call notification. In the case of emergency, PUNDIT is able to deploy standby technical personnel on site to diagnose and initiate proper solutions to the problems.

Bearing in mind of the pressing recovery needs, our personnel are all trained to react and make recovery within the shortest period of time, depending on the severity of the problem.

ANSI/TIA -942 Compliance

TIA-942 is the telecommunication infrastructure standard for Data Centres. This standard however does not only cover the telecommunication part but also other important factors which lead to a robust Data Centre. The Data Centre will be reviewed for compliance in four categories:

Architecture

Electrical

Mechanical

Telecommunications

Further areas to be examined are operational management and other important aspects such as health and safety aspects.

For each of the categories the Data Centre will be categorized in four Rating levels (Rated 1 -4) as well as an overall Rating level.

Uptime Tier to ANSI/TIA -942 Upgrade

It is common knowledge that the Uptime Institute Tier Topology guideline only addresses the electrical and mechanical infrastructure of a data centre. Although critical, data centre owners/operators have come to learn that the Uptime Institute's Tier guidelines are missing some fundamental elements for today's business critical environments. More and more customers are challenging their Uptime Institute Tier certified data centre operators on why they only have certified their power and cooling infrastructure and left out key elements such as security, network etc.

TIA-942 is a complete data centre standard as it also addresses site location, architectural aspects, physical security, fire safety, telecommunications, to name a few. The advantages of TIA-942 Conformity Certification far outweighs those of Uptime Institute Tier Topology Certification.

Design Evaluation

The goal of Data Centre Design Evaluation Services (DDES) is to evaluate the design of your new data centre, or the extension/alteration of your existing data centre and the parameters that may affect its performance and availability. The evaluation is intended to:

Evaluate the design criteria to meet the objective of your business requirements

Pro-actively prevent possible problems and risks during construction

Minimise the risk factors that potentially affect the performance and availability of data once operational

Evaluate Data Centre Maintenance options and complexity

Pro-actively bring potential enhancements to the attention of the customer

The study will be conducted by data centre professionals specialising in data centre design services; addressing five main critical design areas:

power layout and quality

Pro-actively prevent possible problems and risks during construction

environmental factors and dimensioning such as cooling, fire protection, monitoring of the data centre

electromagnetic fields

networks

operational security and safety

A report on the design of the data centre will be provided indicating the findings and the potential areas for improvement with recommendations. Business needs and budget constraints will be taken into consideration aimed at pro-actively improving the data centre and minimising business risks and costs.

Data Centre Design Validation

The goal of the Data Centre Design Validation Services is to validate the design of your new or existing Data Centre and compare it for compliance to certain standards and norms such as TIA-942, SS507, ISO-24762 and others. The outcome is a report which will indicate the level of compliance and what potentially need to be addressed to ensure that an audit will go smooth and leads to certification.

This design validation review will enable you to correct parts of your design to avoid potential non-compliance with applicable standards avoiding the often very expensive construction changes or issues during an audit which would result in a potential non-compliance and therefore no certification could be obtained.

Data Centre Review

The Datacentre Compliance Review (DCR) is a thorough review of your data center in line with industry standards such as SS507, TIA-942, IEC-61000-4-8 and other norms and best practices for mission critical sites. It allows you to understand the fundamental gaps and risks in your datacenter which could lead to Hi-Availability problems, increased operating and maintenance cost. The outcome will allow you to address possible issues and areas of improvement allowing you to rectify issues before they become problems and to pro-actively budget for improvements.

The DCR service is often used by companies to plan for improvement or as an in-depth assessment as part of Business Continuity and Disaster Recovery (BC/DR) planning and implementation initiatives.

DCR is also used as a stepping stone to the DCC services which provides Certification based on international norms.

During the audit various documentation and processes will be reviewed and will also consist of a survey of the Data Centre itself and supporting facilities such as UPS Room etc. The audit reviews the following areas:

Data Centre location and construction

Electrical layout and dimensioning

Environmental control and monitoring

Fire Suppression

Electromagnetic Field analysis

Network

Operational Security and safety measures

Maintenance and Support

The output of the audit will be a concise report which will highlight the findings, potential risks and suggestions for improvement.

CUSTOMIZED CONSULTANCY

PUNDIT can provide a wide range of customized consultancy including reviews, assessments, surveys and audits. Please feel free to contact us for specific requirements and we would be more than happy to work with you.

ISO 22301 BUSINESS CONTINUITY MANAGEMENT

ISO 22301 is a global standard that specifies the requirements for a management system to protect against, reduce the likelihood of, and ensure your business recovers from disruptive incidents.

ISO 22301 is an international framework and benchmark to guide businesses in identifying potential threats to a company's critical business functions and to build effective backup systems and processes to safeguard the interests of stakeholders.

By obtaining ISO 22301 Certification you can prove to your stakeholders, customers and staff that you have a solid process in place for identifying potential threats and how to effectively deal with them to minimise any potential business impact.

Benefits to you

Assist you to identify and manage current and future threats to your business

Provides a proactive approach to minimizing the impact of incidents

Keeps critical functions up and running during times of crises

Assists in minimising downtime during incidents and improve recovery time

Electromagnetic Field analysis

Demonstrates resilience to customers, suppliers and for tender requests

Protects your reputation during crisis

Benefits to your customers

Reduces the likelihood of a disruption occurring that affects their business through a risk management process

Provides a proactive approach to minimise impact of potential incidents

Enhances the ability to recover following a disruption to normal operating conditions

Benefits to your staff

Protect staff and their welfare – ensure staff know their roles and responsibilities

ENERGY AND ENVIRONMENTAL MANAGEMENT SYSTEMS

SS 564 is the green data centre standard which helps organisations to establish systems and processes necessary to improve the energy efficiency of their data centre.

SS 564 provides a recognised framework as well as a logical and consistent methodology to achieve continuous improvement for their data centre facilities. This standard is modelled after the ISO 50001 standard on energy management but is specifically tailored to meet the needs of data centres in Singapore.

The standard adopts the Plan-Do-Check-Act (PDCA) methodology, an iterative, four step problem-solving process used for continuous process improvement. The PDCA cycle forms the basis for many established management standards, which have successfully stimulated substantial, continual efficiency improvements within organisations around the world.

SS 564 defines a set of performance metrics for data centres to measure their energy efficiency. These metrics provide a common benchmark to help data centres to track their performance and improvements.

Being SS 564 certified does not only assist your organisation achieving its environmental management goals but also helps to reduce cost of operations and shows your customers that you are sincere about the environment.

Benefits to you

- Lower operating cost due to a reduction in energy used

- Showing and exercising corporate social responsibility by contributing to the conservation of natural resources

- Attract customers who have policies and requirements to work with other environmental and socially responsible organisations

Benefits to your customers

- Working with a data centre who shows social responsibility

- Lowering cost of operation by working at higher energy efficiency levels

Benefits to your staff

- Increased employee moral knowing the organisation cares about the environment

- Feeling ownership of environmental and social responsibility

ISO 27001 INFORMATION SECURITY

An ISO 27001 information security management system is a systematic and pro-active approach to effectively managing risks to the security of your company's confidential information.

The system promotes efficient management of sensitive corporate information, highlighting vulnerabilities to ensure it is adequately protected against potential threats. It encompasses people, process and IT systems.

An ISO 27001 certification can be achieved by any business of any size, in any given sector, which is looking to increase and enhance the company's security of its data.

Information is an asset which, like other important business assets, has a value to an organisation and consequently needs to be suitably protected.

This standard will help your company coordinate all your security efforts both electronically and physically, coherently, cost effectively and with consistency and prove to potential customers that you take the security of their personal / business information seriously.

Benefits to you

Cost reductions due to avoiding incidents

Smoother running operations as responsibilities and processes are clearly defined

Improved business image in the marketplace – customers have peace of mind that the company is trustworthy

Benefits to your customers

Working with a trustworthy provider maintains the company's own integrity to the safeguarding of its data

Installs confidence further down the supply chain resulting in stronger customers / supplier relationships

Benefits to your staff

Having appropriate access controls in place lowers the risk of accidental exposure to employees of confidential/sensitive information

Reassurance that their employer is meeting data handling security guidelines

Defines clearly and precisely roles and responsibilities therefore job satisfaction and productivity is increased

DATACENTER AUDIT & CERTIFICATION SERVICE

DCOS is aimed at providing the data centre investor/owner/operator with a progressive approach to data centre operations management improvement.

The DCOS® audit will benchmark the data centre maintenance and operations based on the 11 disciplines as described in the Data Centre Framework. The data centre organisation can choose to be audited for all of the 11 disciplines or a subset of 1 or multiple disciplines which the organisation deems to be the most critical to its business.

Each discipline chosen will be assessed for its maturity based on the widely adopted 5-level process maturity levels.

The audit report will provide the organisation with a clear view on its current operational maturity. This will enable the organisation to further improve its processes so that its valuable human capital can be maximised to create an efficient and effective data centre operations and maintenance team.

Upon achieving the DCOS® certification, the data centre will be listed on PUNDIT's website, providing proper levels of confidence to its customers, both internal and external, that appropriate levels of due diligence for risk management and operational efficiency have been taken showing good corporate governance.

PROJECT REFERENCE

Sonali Bank Limited Consultancy

Sonali Bank Datacenter (3 DC Project) 	Bangladesh
Status	Consultancy Service
Completion Date	Ongoing
Size	3 Data Centre (30Racks+70Racks+70Racks)
Scope	Prepare and finalize design of the DC and NDC/DR based on Rated-3/Tier-III ▶ Architectural ▶ Electrical ▶ Mechanical ▶ Telecommunication ▶ Fire Suppression ▶ Safety, Security, Monitoring & Automation etc. Software Defined Network (SDN) and Telecommunication (DC and NDC/DR) • All Design Completion of NDC Site • All Design Completion of DC Site • All Design Completion of Far DR Site/Tier4 • Preparation of Technical Specification and RFP for Tendering for NDC • Preparation of Technical Specification and RFP for Tendering for DC • Preparation of Technical Specification and RFP for Tendering for Tier4/Far DR • Evaluate proposal of the bidder and prepare comparative statement for NDC • Evaluate proposal of the bidder and prepare comparative statement for DC • Evaluate proposal of the bidder and prepare competitive statement for DR • Supervise implementation as per TIA-942/Uptime for NDC • Supervise implementation as per TIA-942/Uptime for DC

	• Supervise implementation as per TIA-942/Uptime for Tier4/Far DR • Final Completion Report Submission including all the Electrical, Mechanical, HVAC etc. for NDC • Final Completion Report Submission including all the Electrical, Mechanical, HVAC etc. for DC. • Final Completion Report Submission including all the Electrical, Mechanical, HVAC etc. for Tier4/Far DR • TIA-942/Uptime Certification Consultancy for NDC • TIA-942/Uptime Certification Consultancy for DC
Customer	Sonali Bank Limited

Felicity IDC (Internet Data Centre)

Felicity Internet Datacenter 	Bangladesh
Status	Audit and Certification Services
Size	250 Racks Tier-III Data Centre
Completion Date	Ongoing
Scope	• ISO 9001 Audit & Certification (SGS) • ISO 27001 Audit & Certification (TUV-NORD) • PCI-DSS Compliance Certification (PCI-QSA)
Customer	Felicity IDC Limited

Dhaka Colo Jeshore Data Centre

Dhaka Colo Jeshore Data Centre	Bangladesh
	
Status	Consultancy Service
Completion Date	Ongoing
Size	40 Racks Tier-III Data Centre
Scope	1. Data Centre Design 2. Preparation of Technical Specification & RFP 3. Procurement Consultancy 4. Implementation Supervision and quality control 5. Data Centre TIA-942 Certification
Customer	Dhaka Colo (Pvt) Limited

ColoAsia Datacentre Consultancy Services

Dhaka ColoAsia Datacenter	Bangladesh
	
Status	TIA-942 Certification Consultancy, Internal Audit Consultancy
Completion Date	Ongoing
Size	4000 sqft (120Racks)
Scope	1. Prepare and finalize design of the new Data Center based on TIA-942 Rated-3 (Tier-3) Standard. 2. Advisory service for sourcing different components of Datacenter 3. Necessary Documentation for EPI TIA-942 Rated-3 (Tier-3) Design Validation and Auditing & Ensuring Certification Processing with no CAT-1 observation.

	4. Design Validation 5. Quality Control 6. Internal Audit 7. External Audit Certification(EPI-DCCC)
Project Description	New Co-location Data Centre
Customer	Colo Asia

Novotel Datacenter Full Consultancy Services

NovoTel Datacenter 	Bangladesh
Status	Design Consultancy, Procurement Consultancy, TIA-942 Certification Consultancy, Internal Audit, External Audit Certification
Completion Date	On Going
Size	1500 sqft (40 Racks)
Scope	Design and Certification Consultancy Design Services in Compliance with TIA-942 Rated-3 (a.k.a. Tier-3.) Implementation Review and Internal Audit Services in compliance with Rated-3 Procurement Vetting On-Site Visit based Internal Audit Testing and Commissioning Consultancy PSIs, FATs, Witness Testing and Commissioning Management Services Data Centre Conformity Certification by EPI
Project Description	New Co-location Data Centre
Customer	Novo Tel

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Dhaka Colo Datacentre Consultancy Services

Dhaka Colo Datacenter	Bangladesh
	
Status	Design Consultancy, Procurement Consultancy, TIA-942 Certification Consultancy, Internal Audit, Procurement Consultancy
Completion Date	Completed
Size	4000 sqft (87 Racks)
Scope	1. Prepare and finalize design of the new Data Center based on TIA-942 Rated-3 (Tier-3) Standard. 2. Prepare BOQ Specification for RFP 3. Advisory service for sourcing different components of Datacenter 4. Evaluate the proposal of the bidders and provide expert opinion accordingly during evaluation of the quotes 5. Verification of work order to the successful bidders. 6. Necessary Documentation for EPI TIA-942 Rated-3 (Tier-3) Design Validation and Auditing & Ensuring Certification Processing with no CAT-1 observation. 7. Quality assurance during work execution 8. Design Validation 9. Procurement consultancy 10. Quality Control
Project Description	New Co-location Data Centre
Customer	Dhaka Colo Pvt. Ltd

Prime Bank DC EPI TIA-942 Certification, Internal Auditing & Consultancy Services

Prime Bank Datacenter 	Bangladesh
Status	TIA-942 Certification Consultancy Service
Completion Date	Completed
Size	2000 sqft (40 Racks)
Scope	TIA-942 Certification Consultancy, Design Validation (EPI-DCDV) Internal Audit, External Audit Certification(EPI-DCCC)
Project Description	Bank New Data Centre
Customer	Flora Limited

Al-Arafah Islami Bank DC EPI TIA-942 Certification, Internal Auditing & Consultancy Services

Al-Arafah Islami Bank Datacenter 	Bangladesh
Status	TIA-942 Certification Consultancy, Internal Audit, External Audit Certification
Completion Date	Completed
Size	1500 sqft (20 Racks)
Scope	TIA-942 Certification Consultancy, Design Validation (EPI-DCDV) Internal Audit, External Audit Certification(EPI-DCCC)
Project Description	Bank New Data Centre
Customer	Flora Limited

Al-Arafah Islami Bank DRS EPI TIA-942 Certification, Internal Auditing & Consultancy Services

Al-Arafah Bank DRS	Bangladesh
	
Status	TIA-942 Certification Consultancy, Internal Audit, External Audit Certification
Completion Date	On Going
Size	1200 sqft (20 Racks)
Scope	TIA-942 Certification Consultancy, Design Validation (EPI-DCDV) Internal Audit, External Audit Certification(EPI-DCCC)
Project Description	Bank New Data Centre
Customer	Flora Limited

Shahjalal Islami Bank EPI TIA-942 Certification, Internal Auditing & Consultancy Services

SJIBL Datacenter	Bangladesh
	
Status	TIA-942 Certification Consultancy, Internal Audit, External Audit Certification
Completion Date	Completed
Size	1200 sqft (20 Racks)
Scope	TIA-942 Certification Consultancy, Design Validation (EPI-DCDV) Internal Audit, External Audit Certification(EPI-DCCC)
Project Description	Bank New Data Centre
Customer	Flora Limited

Marcentile Bank Limited Consultancy & Certification Services

Prime Bank Datacenter	Bangladesh
	
Status	Consultancy Service
Completion Date	Ongoing
Size	1500 sqft (30 Racks)
Scope	Datacenter Design BOQ & RFP Vetting Supervision & Quality Control External Audit Certification TIA-942 Rated-3 (EPI-DCCC)
Project Description	Bank New Data Centre
Customer	Marcentile Bank Limited



Your Trusted Data Center & IT Consultant..



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