



Empowering Educational Institutions with Edge Data Centers

A Compliant, Sustainable, and Cost-Efficient
Digital Transformation Solution

 www.PlanckRed.com



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EXTERNAL CLOUD VS ON-PREMISE EDGE DATA CENTER

The Smarter Choice for Your Institution

Working without Planck



PROBLEMS



Security Risk

Data stored off-campus is vulnerable to breaches and compliance issues



High Latency

Physical distance from the cloud center causes delays in accessing data



High Cost

Recurring expenses with unpredictable billing models strain budget

Transacting data using internet



Working with Planck



BENEFITS



Zero Capex

Planck covers all upfront costs, removing financial barriers



Low Opex

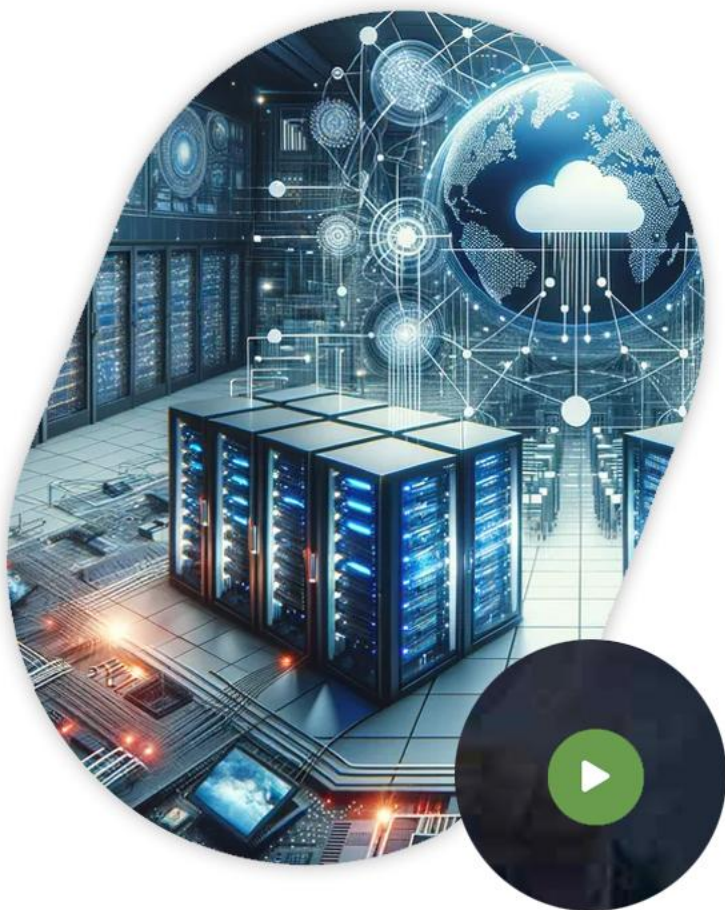
Planck covers all upfront costs, removing financial barriers



Revenue Stream

Surplus capacity can be leased, generating additional income

Transacting data via Planck Edge Data Center



Innovating for A Digital Future

Our **mission** is clear

To build a reliable, efficient and green
digital ecosystem



Driving human progress while minimizing
environmental impact.

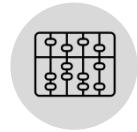


At Planck, we are revolutionizing the backbone of digital infrastructure and transforming it into a sustainable future.

Through cutting-edge containerized data center solutions, we combine innovation, scalability, and eco-conscious practices to meet the growing demands of the digital world.



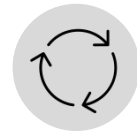
Solutions are delivered by a team of highly qualified, experienced, and certified personnel.



Planck specializes in setting up Digital Infrastructure Networks, EV Charging Solutions, 5G Networks, Cyber Security Solutions, among others.



The proactive nature of our team addresses the number of potential IT issues before they become serious.



Planck offers all- inclusive services to assist with the entire project lifecycle, from strategy to implementation to ongoing support.

MEET OUR GLOBAL ADVISORS

Guided by
Experience

Also our
**Board of
Directors**

NASSER BOSTAN
GLOBAL ADVISOR

Nasser Bostan brings along 20+ years of experience with expertise in AI, Cybersecurity, and GTM Strategy. A Keynote Speaker and NED, he has held leadership roles, including his tenure at NEOM.



IMRAN HUSSAIN
GLOBAL ADVISOR

Imran Hussain has 20+ years of experience, with a passion for coaching, mentoring, and leading global sales teams. He specializes in orchestrating large transformational deals and has previously served as the MD of BT.



MEET OUR TEAM

LEADERSHIP TEAM



PRASHANT DWIVEDI
CTO

Prashant Dwivedi has over 6 years of experience and has completed the **Business Analytics & Optimisation Programme** from IIT Delhi. He specializes in leading **cross-functional teams** across development and operations, driving efficiency and collaboration.



SHISHIR MIGLANI
CEO

Shishir Miglani brings 20+ years of experience as a serial entrepreneur and technology advocate, driven by the belief that technology can transform human lives in unprecedented ways. He runs a series of government-recognized incubators and accelerators across 7 Indian states, empowering innovation and growth.



MEET OUR TEAM



ADVISING TEAM



SHIKHA MIGLANI
ADVISOR

Shikha Miglani has 20+ years of experience. She is CEO & Founder of Saarthee, ARC Green Literacy Partner, Founder -Girl of Substance, Social entrepreneur initiative fighting for gender equality. Having over 20 years of industry experience in analytics, technology, and consulting.



ABHISHEK TIWARI
ADVISOR

Abhishek Tiwari has over 20 years of experience in Startup Consulting, Data Centers, Public Policy & Government Affairs, and as a Startup Mentor. He brings a rich experience spanning 25+ countries across India, Africa, Europe, and the Middle East, working across diverse industries and geographies.



BHARAT GUPTA
ADVISOR

Bharat Gupta has 30+ years of Leadership experience in Govt (1994 UPSC), Regulatory, Defence and Corporate. Executive Director in three companies and independent Director in two companies.



MEET OUR TEAM



ROOP SINGH
ADVISOR

Roop Singh has 12+ years of experience in wealth management and supervision of turnkey projects. Excels in guiding complex projects to successful completion while effectively managing and growing client wealth. He is a valuable asset in achieving exceptional business outcomes and fostering high-performing teams.



MANISH ZARGAR
ADVISOR

Manish Zargar has over 26 years of experience in delivering value and impact through partnership and strategic alliance advisory, market intelligence, and customer relationship management. He has the vision and skills to design, build, and operate sustainable and efficient data centers, EV infra, proactive network monitoring, and other digital services.



RAKESH PUJARI
ADVISOR

Rakesh Pujari a seasoned professional with over 45 years of versatile experience, has consistently demonstrated his expertise and leadership across a wide array of industries. Rakesh Pujari began his professional journey with the prestigious Thapar Group, where he dedicated 22 years of his career. At the age of 66, his illustrious career reflects a legacy of innovation, dedication, and success in some of the most dynamic and challenging sectors.



ANIL TANEJA
ADVISOR

Anil Taneja is an expert in the fields of Mgt. Consulting, SME development, startup advisory, Venture capital, Angel Investing & debt syndication. He is Operating Partner with Venture capital Firm Elev8 Capital AIF which is a \$200Mn growth stage fund. He is also Partner to Incubate hub. He is former Regional Director with PHD Chamber for Himalayan region. He is actively working in startup ecosystem as mentor, jury at various accelerator platforms.



PROJECT DELIVERY OVERVIEW



Raebareli, Uttar Pradesh



5+1 Edge Data Center



Total Load Capacity: 85 KW



Delivered in: 7 months



Malihabad, Uttar Pradesh



5+1 Edge Data Center



Total Load Capacity: 85 KW



Delivered in: 7 months



Nadaun, Himachal Pradesh



5+1 Edge Data Center



Total Load Capacity: 85 KW



Delivered in: 7 months

STATES FOR INTEGRATED SOLUTIONS

Planck's Reach



Services



Edge Data Centre
Installation



Land Procurement
and Conversion



Government Of India

Government
Liaisoning and
Approval

Additional Services



Land Feasibility Assessment

Identifying the best locations for building infrastructure



Power Capacities

Ensuring sufficient power for data centre operations



Internet Connections

Ensuring connectivity and data transfer capabilities



Land Conversion

Managing the conversion of land for industrial use and data centres



COMPONENTS



Item Description (5+1 Racks Solutions)	Makes
Prefabricated Container Module IP 65 or above	Schneider Electric India, BMarko Structures, Prasa Infocom & Power Solutions Pvt. Ltd., Kstar,
Distribution Transformer	Crompton Greaves (CG), Kirloskar Electric Company Limited
Metering Cubical	
RMU	
Diesel Generator Set and Accessories	Kirloskar Oil Engines, MTU, Cooper, Mahindra Powerol Ltd
UPS for IT Critical Load	Eaton, Fujji, Schneider Electric, Delta's
VRLA batteries For Above UPS	Exide Industries, Eaton, Amara Raja Energy & Mobility Ltd
APFC Panels	Servomax Limited, Transpower Electronics, SMA Power Controls
AMF Panel	Vidhyut Control (India) Pvt. Ltd., JC Industries,GEESYS Technologies India
Static Transfer Switches	Schneider Electric India, Socomec India, ABB India
Distribution Box with single pole MCB for Each Rack for double circuit	
Server Room Inrow Cooling-DX	Delta Electronics, Schneider Electric, Stulz
Power Room Cooling	Voltas, LG, Bluestar
Aisle containment	NetRack Enclosures Pvt Ltd, Cosyst Devices, Hardy Racks
Fire alarm & Suppression and Remote Monitoring Systems	Honeywell, Siemens, Ravel, Minimax India, Tyco (Johnson Controls)
Rodent system	Maser Electronics, Network Techlab, Geesys technology
Water leakage detection system	Geesys technology, unique-india, nVent RAYCHEM
Roxtec Modules	
Specially Designed IT Rack with Accessories For Containers with Sensors & Two Vertical IPDU	Netrack India,Eaton, DATA RACK Technologies, Schneider Electric, Rittal GMBH, Black Box corporation
RDU Based monitoring	
Inter-Rack Fibre & Copper Cabling	
Access Control	Suprema, Bosch Security and Safety, Zkteco, Hikvision,
CCTV	Hikvision, CP Plus, Secure Eye, Digitals India Security Products Pvt Ltd
NVR	Hikvision, CP Plus, Secure Eye, Digitals India Security Products Pvt Ltd
Routers	Cisco
Firewall	SonicWall,
Core Switch	Cisco
L2 Switch	Cisco
Server	DELLEMC
SAN switch	Cisco
Primary Storage	DELLEMC
Secondary storage	DELLEMC

A Policy Driven Mandate

"Data security is not just a policy; it's a commitment to safeguarding the lifblood of innovation and education."

- AICTE Cybersecurity Strategy for Higher Education Institutes

"Emerging technologies demand transformative infrastructure to empower the next generation."

- NEP 2020

"Data is a key fuel for AI-based technologies, and it is critical to raise awareness on issues of privacy, laws, and standards associated with data handling and protection."

- NEP 2020



Govt. of India Mandates digital infrastructure for educational institutions



NEP 2020, UGC, and AICTE guidelines emphasize digital infrastructure for education.



Mandatory integration of technology to enable:

Online and hybrid learning.

Research acceleration.

Integration with global educational systems.



Institutions must act now to remain compliant and accredited.

THE SHIFT TO DIGITAL CAMPASES

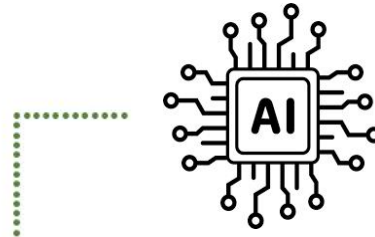
Key Drivers of Digital Shift



Increasing demand for hybrid learning platforms.



Expanding research requirements.



Integration of AI, ML, and ERP systems for education.



Staying competitive in a global educational ecosystem.



Customer Challenges



High Operational Costs

Expensive recurring costs for cloud services.



Limited Support for Modern Tools

Challenges in adopting cutting-edge educational technologies.



Scalability Issues

Inability to adapt to growing needs.



Resource-Intensive Management

Complexity in managing IT infrastructure.



Latency Problems

Slower response times affecting real-time applications.



High Carbon Footprint

Cloud services often rely on energy-intensive operations

WHAT WE BRING TO THE TABLE

ESG Certified Green Edge Data Centers



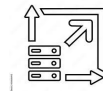
ESG Certified

Sustainable, environmentally friendly design.



Zero Capex Model

Institutions bear no upfront capital costs.



Scalability

Easy to scale with growing digital demands.



Low Latency

Fast, reliable performance for modern tools.



Secure Infrastructure

Enhanced data protection.



Plug-and-Play Deployment

Simplified setup and integration

OUR ROLE & INVESTMENT



Planck's investing in Capex,
Customer **saves on Opex**

01

Full Capital Investment:

Design, construction, equipment, and technology deployment covered by Planck.

02

Operational and Maintenance

Support including 24/7 monitoring, regular maintenance and upgrades, and SLAs.

03

Long- Term Partnership

Long term data management agreement for Edge Data Centre.

04

Revenue Model

Surplus capacity is leased out, and revenue generated is shared with the institution.

HOW THE PLANCK PARTNERSHIP WORKS



PLANCK RESPONSIBILITIES



01

Design

Designing the EDC



02

Build

Building the EDC



03

Operate

Operating the EDC

INSTITUTION RESPONSIBILITIES



01

Land Provision

Providing space for the Edge Data Centre and EV Charging Stations.



02

Power Supply

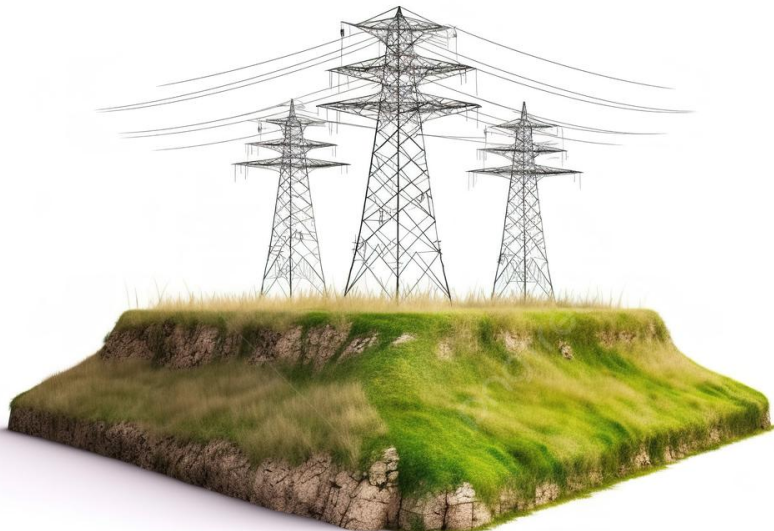
Reliable power supply, including backup systems.



03

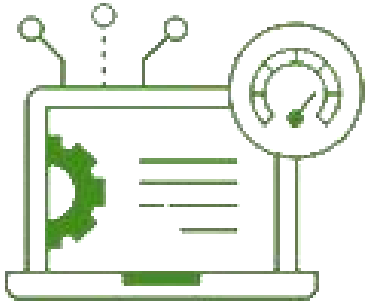
Collaboration & Access

Facilitating permissions, access, and operational support.



COST SAVING & REVENUE GENERATION





High Performance Computing for Research

- Accelerate research
- Facilitate cutting edge projects
- Support industry partnership



Learning Management (LMS) Hosting with Video Conferencing

- Improves uptime
- Reduces Latency for lectures
- Reliable access to educational content



AI Powered Educational Tools

- Enhances student outcomes
- Reduces administrative workload



Secure Data Storage and Backup

- Protects critical academic data
- Ensures regulatory compliance



Virtual Labs and Simulations

- Makes Lab access more equitable
- Utilizes GPU enabled infrastructure for remote experience



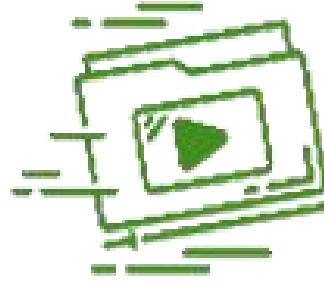
Campus wide Networking Solutions

- Enhances digital learning experiences
- Optimises bandwidth



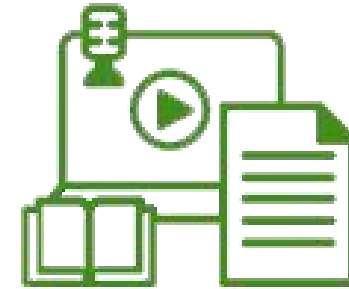
Research Data Management and Analytics

- Streamlines research workflows
- Fosters Collaboration



E-library and Content Delivery Network

- Expands access to learning resources for remote and hybrid students



Hybrid Learning Infrastructure

- Supports flexible learning
- Adapts to unexpected shifts



Cybersecurity Solutions

- Safeguards institutional and students data from cyber threats



Exam Proctoring and Grading

- Ensures integrity and speeds up grading



Data Analytics and Institutional Planning

- Facilitates data driven decision making to optimize resources



Sustainability and Green IT Solutions

- Reduces carbon footprint and aligns with SDG 11
- Position the institute as leader in sustainability



Collaboration with Industry

- Provides real-world experiences
- Attracts funding for research



Stay ahead with Compliance

- Meet NEP, UGC, and AICTE digital infrastructure mandates.
- Gain eligibility for accreditations like NAAC and NIRF rankings.
- Showcase digital readiness in annual audits and reviews.



Let's Co-create a Digital-first Campus!

**Contact us today to discuss how we can
empower your institution!**

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