

THE LATEST NEWS, VIEWS AND ANNOUNCEMENTS

INSIDE BICSI INDIA

Latest updates

Insights

Education Spotlight

Upcoming Events

New Revolutions in Indian ICT Community:

Glimpses of BICSI India Technology Seminar

Thought Leadership - ESG and the Data Center ecosystem in India

Education Spotlight

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GLIMPSES OF BICSI INDIA TECHNOLOGY SEMINAR

Held on Friday, July 11th, 2025, Hablis Hotel, Chennai



BICSI India organized its Technology Seminar at Chennai on 11th July 2025. The primary objective of this seminar was to achieve tight collaboration with the ICT industry at Chennai and to discuss, update and brainstorm on latest technologies, trends and products. BICSI India Technology Seminar at Chennai was well attended by Consultants, System Integrators, OEMs, End Customers, IT heads/Managers and Senior Faculty from the academia/educational institutions and received good acclaim from all the participants. The seminar was sponsored by AFL, Netrack, Lightera, and Wesco – Anixter.



Mr. Chintak Dalal, Chair, Leadership Committee, BICSI India addressed the gathering at the technology seminar and presented about BICSI India and its initiatives.



A concurrent product display was also part of the seminar which featured Netrack Enclosures and Lightera providing a hands-on experience on their ICT offerings.



Guest Speaker **Mr. Anandu Gopan**, Application Specialist, CAPE Electric Pvt Ltd presented on “Interference in ICT wiring and the recommendations in BICSI 607E”. The presentation briefed the audience on the ICT wiring in BICSI 607 E and correlation with ISO/IEC 30129, IEC 62305-4, ITU K 27, NEC 2023, IS 732 and Draft IS 3043. Types of earthing symbols were presented to begin with. The nuances of equipotential/one-potential were elaborated and the method to achieve the same was also presented. Details on how to achieve telecommunications bonding networks, and, how to address protection against lightning was also elaborated. The session was very informative and was well received by the audience.



Mr. Ramesh Damodaran, GM – Sales, Netrack Enclosures Pvt Ltd presented on “Exploring the Edge Data Centre”. The presentation brought out the differences between traditional data centre and an edge data centre. The presentation went on to present the advantages of using an edge data centre – bringing in rack, power distribution, cooling, environmental monitoring and asset management into one simple task at design, installation, commissioning and maintenance – that thereby helps network managers in faster deployment of a highly efficient and a simpler network infrastructure that is scalable as well.



Mr. Nitin Nayak, Assistant Vice President – Business Head and **Mr. Madhusudan Navelkar**, Product Manager, Networks, Birla Furukawa Fibre Optics Pvt Ltd presented on “Building the Future Strategies for Effective Data Centres”. The presentation highlighted how infrastructure needs to gear up to service the impact of several applications and traffic volumes, and, how data centres were the common denominator. The presentation brought out details of high fibre-count, rollable ribbon fibre cables used for data centre interconnects, ultra-low-loss and high-density terminations, overhead fibre duct systems and use of Automated Infrastructure Management for ease of management.

Powering Sustainable Progress: ESG and the Future of India's Data Centre Industry

As the world accelerates toward a digital-first future, the infrastructure powering this transformation—data centres—has come under scrutiny. Once seen as purely technical environments, data centres are now critical to corporate sustainability goals. Increasingly, **Environmental, Social, and Governance (ESG)** considerations are shaping decisions around their planning, design, and operation.

In India, one of the world's fastest-growing data centre markets, ESG is no longer a distant boardroom conversation. It is becoming a strategic imperative. Data centres, given their energy intensity and global footprint, sit at the heart of ESG dialogue. Such intensity is projected to rise with AI, edge computing, and digital infrastructure expansion.

The global data centre industry is witnessing a decisive shift. Leading cloud service providers and hyperscale service providers are setting net-zero goals, investing in renewable energy, and driving innovation in thermal efficiency, liquid cooling, and intelligent infrastructure management.

Sustainability certifications such as **LEED, Uptime Institute's Efficient IT, and BREEAM** are being used as baselines, while initiatives like the Climate Neutral Data Centre Pact in Europe set voluntary targets for carbon neutrality by 2030.

India's data centre market is in a hyper-growth phase, driven by cloud adoption, government digital initiatives, and rising enterprise demand. According to market forecasts, India is poised to add **over 500 MW** of capacity in the next few years, with significant investments in Mumbai, Chennai, Hyderabad, and Pune.

This expansion is now witnessing growing sustainability mandates, such as:

- The Indian government has outlined plans in the **National Data Centre Policy** to promote **green data centres and energy-efficient operations**.
- SEBI has made **BRSR (Business Responsibility and Sustainability Reporting)** mandatory for the top 1000 listed companies, embedding ESG deeper into business reporting.
- Several states now **offer incentives for sustainable data centre construction**, including subsidies for renewable power, faster clearances, and land at reduced rates.

Despite these positive signals, ESG adoption is still uneven across operators and developers. Industry leaders believe that **clearer regulatory frameworks, technology partnerships, and vendor accountability** will be key to achieving scale in ESG compliance.

Passive Infrastructure can be a Hidden Ally in ESG Goals. Passive infrastructure - structured cabling, enclosures, connectivity—though often overlooked, plays a pivotal role in enabling these greener operations. Energy-efficient designs, lower loss components, and modular

scalability significantly reduce operational overheads and environmental impact.

While discussions around sustainability often focus on energy-efficient cooling and renewable energy sourcing, passive infrastructure is a foundational enabler. The right cabling systems, connectivity hardware, and pathway designs can:

- Reduce power consumption through ultra-low loss signal transmission
- Support scalability with modular designs, avoiding overbuilding and excess material use
- Minimize waste with re-usable, tool-less components and flexible deployment models
- Comply with safety and environmental certifications like RoHS, UL, and REACH
- Extend lifecycle performance, reducing the need for frequent replacements and e-waste

When data centre operators consider ESG from day one of planning—down to cable trays and fibre modules—they set the stage for long-term compliance and efficiency.

ESG Strategy: From Cost Centre to Value Driver

Historically, sustainability initiatives were often perceived as a cost burden. That narrative is quickly changing. Today, ESG excellence:

- Attracts investment from ESG-focused funds and global investors
- Reduces operational costs through energy efficiency and better resource management
- Mitigates risk by staying ahead of regulation and supply chain disruptions
- Enhances brand value and customer trust in increasingly conscious markets

As sustainability transitions from a 'nice to have' to a 'need to have,' companies that embed ESG into their infrastructure choices are positioning themselves as future-ready.

Looking Ahead: ESG as a Competitive Advantage in India

India's digital ambitions—5G, smart cities, digital banking, and AI innovation—require robust and sustainable infrastructure. ESG provides the blueprint to ensure that this infrastructure is not just fast and scalable, but also **responsible and resilient**.

To that end, data center developers and enterprises in India can take several actions:

- Incorporate ESG goals into RFPs and vendor selection criteria
- Invest in modular, efficient, and sustainable passive infrastructure
- Collaborate with manufacturers who share ESG values and have verified track records
- Monitor and report ESG metrics transparently to stakeholders

As one industry analyst put it: "Sustainability is no longer a siloed initiative—it's a boardroom priority, a branding story, and a bottom-line strategy." The data centre of the future isn't just about terabits and uptime—it's about purpose-driven performance. ESG provides the lens through which this purpose can be realized.

This article is contributed by Mr. Prem Rodrigues, VP, Siemon

MEMBERSHIP ADVANTAGE

Stay connected with BICSI India throughout the year!

Maximize Your BICSI India Membership Through Active Participation

Your BICSI India membership is more than just a badge of honor- it connects you to a dynamic community shaping the future of the ICT industry. To fully leverage your Membership benefits & active engagement is essential.

HOW TO GET INVOLVED:

Volunteer for a committee:

Contribute your expertise to support BICSI India initiatives. Opportunities include participating in industry standards development or contributing to BICSI India publications.

Mentor future professionals:

Guide the next generation of ICT professionals by sharing your knowledge and experience through our mentoring programs.

Attend events and training:

Stay informed, expand your network, and advance your skills by participating in BICSI India conferences, Technology Seminars, training sessions, and webinars.

BENEFITS OF ACTIVE PARTICIPATION:

Professional growth:

Develop leadership skills, expand your network, and increase your professional visibility.

Industry influence:

Contribute to the development of industry standards and shape the future of the ICT profession.

Community contribution:

Support aspiring professionals and make a meaningful impact on the ICT community.

Stronger connections:

Build lasting relationships with fellow ICT professionals who share your passion.

Explore BICSI Navigator

While exploring volunteer opportunities on the BICSI website, be sure to check out BICSI Navigator, our new centralized platform designed to enhance your BICSI experience. Current features include your membership profile and directory, with credential management and course tracking coming soon.

Serving as a volunteer can have a profound influence on your life and the community you serve. Whether you volunteer with BICSI India or another organization, we encourage you to put your knowledge and skills to work to make a positive impact on your community for today and the future.

For more information contact
info@bicsi-india.org and
support@bicsi-india.org

REASONS WHY CONTINUING EDUCATION IS IMPORTANT IN THE RE-CERTIFICATION PROCESS

In today's fast-paced world, staying updated with new knowledge and industry standards is crucial, for professionals. Continuing education plays an essential role in recertification across various fields, helping individuals stay competent, compliant, and competitive. Here are the top 7 reasons.

1. **Ensuring competence in evolving fields:** Ongoing education allows professionals to keep pace with industry changes. For example, ICT professionals must learn about emerging technologies to remain effective.
2. **Improving career growth and advancement opportunities:** Continuing education not only fulfils recertification requirements but also enhances career prospects. By acquiring new skills, professionals can become more marketable and access better job opportunities.
3. **Ensuring compliance with regulatory standards:** Many industries require professionals to complete continuing education to maintain their certifications. helping to uphold high-level competency.
4. **Enhancing professional credibility and trust:** Committing to ongoing learning boosts employers' trust that professionals are up to date. Promoting credibility and instilling confidence in clients and end customers.
5. **Public safety and quality standards:** Continuing education is vital for public safety and maintaining high-quality work standards. Especially in fields like ICT, staying informed about current regulations is essential.
6. **Adapting to technological changes:** As technology evolves, professionals must update their skills. Recertification programs often include training on new tools and methods.
7. **Fostering lifelong learning and satisfaction:** Ongoing education promotes a growth mindset, enhancing personal satisfaction and allowing professionals to learn and evolve.

EDUCATION SPOTLIGHT: BOOST YOUR ICT DESIGN SKILLS

As an ICT design professional, BICSI's Foundations of Telecommunications Bonding and Grounding on-demand course can make the perfect addition to your skill set! Whether you're a Technician, engineer, outside plant or data center designer, installer, or RCDD®, this class will present foundational bonding and grounding requirements.

This self-paced course covers seven modules that incorporate engaging activities geared to help you gain and retain knowledge of best practices for telecommunications earthing. Highlights include:

- Defining basic electrical principles
- Determining specs for a bonding/grounding infrastructure for a facility
- Ascertaining potential hazards for a given scenario
- Describing the role of bonding/grounding components to eliminate hazards
- Verifying the design of telecommunications bonding infrastructure for a building
- Identifying the installation/commissioning methods for bonding and grounding

This course is worth six continuing education credits (CECs) and must be completed within 90 days from the date of purchase.

GET YOUR START IN DATA CENTER DESIGN

If you've been thinking about breaking into the field of data center design, BICSI's on-demand course can be that bridge! The Introduction to Data Center Design class was developed for those who want to embark on a career involving the planning, implementing, and operating of data centers, as well as the critical decisions that go along with developing a data center.

In this course, you will learn how to: Select an appropriate construction site based on its requirements. Identify best practices when building a new/updating an existing data center.

- Apply sustainability concepts to a design
- Recognize electrical/mechanical systems housed in a data center.
- Describe the phases in a data center commissioning process.

This interactive self-paced course consists of 11 modules, including gaming activities, that have been updated to BICSI's latest version1—version 4 and is worth 14 CECs.

Learners have 90 days from the date of purchase to complete the class.

[CLICK HERE](#)



As an information and communications technology (ICT) professional, it's important to continue learning so you can stay ahead of the competition. If you're a BICSI-certified TECH, a Data Center specialist, an Architect or Engineer who manages Structured cabling system and ICT projects, our two-day SCS Program & five-day Applied Telecommunications Project Management Course could be the next step on your career journey.

This class is designed to provide ICT professionals with an opportunity to build upon their existing project management skills, while also exploring the procedures and key considerations involved in managing a successful data center or any ICT-related project throughout its lifecycle from initiation to closeout or Handover.

Course highlights include:

- Creating a project charter and safety plan
- Developing a project skills and Matrix.
- Project scheduling using a Critical Path Method

- DATA Center Structured Cabling
 - Architecture
 - Structured Cabling Splicing.
 - Handling Beyond cable management
 - Documentation and Cable Management
 - Building network diagrams
 - Managing and handling team members.
- And much more!

This hands-on class is offered virtually and in person and will prepare you to manage any real-world ICT installation or design project with confidence. Learners who complete the course also earn 35 continuing education credits toward an existing BICSI credential recertification, where you could continue this career path and prepare to take the Registered Telecommunications Project Management® (RTMP®) and for Structured Cabling Systems you can earn **up to 12cec's for (SCS)**, courses will be conducted at **Optinext Technologies Pvt. Ltd., Mumbai, India.**

For more details, please contact Mr. Ninad M. Desai.

Details are 098211 34063 and email ID: ninad@optinextindia.com.

Classes will be announced soon, click below to register today.

UPCOMING BICSI ICT FORUMS, SEMINARS AND CONFERENCES IN INDIA



BICSI INDIA TECHNOLOGY SEMINAR

BENGALURU

September 19th, 2025



BICSI INDIA TECHNOLOGY SEMINAR

DELHI

November 21st, 2025

NEXT BICSI INDIA ANNUAL CONFERENCE TO BE HELD ON APRIL 10TH, 2026, IN BENGALURU



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