

4th Edition of

# Care4Cable

INTERNATIONAL

# CONFERENCE

ON

INSULATED

# CABLE SYSTEMS

EHV | HV | MV | LV | HVDC | Submarine |  
Communication | Specialty Cable Systems

GLOBAL TRENDS AND INNOVATIONS  
IN INSULATED CABLE SYSTEMS

Care4Cable & Trafocare

**10** WORKSHOPS | **125+** SPEAKERS | **1500+** ENGINEERS

VENUE



**SAHARA STAR**  
MUMBAI, INDIA

SEPT 2026

**09**  
WED

SEPT 2026

**10**  
THU



DETAILS COMING SOON



**Knowledge Cluster** initiative  
[www.care4cable.org/conference](http://www.care4cable.org/conference)

**SHERI DAHLKE**  
VP RESEARCH AND DEVELOPMENT  
IEEE 1185 Vice Chair

# Care4Cable

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## Chairman's Message

**Mr. Imteyaz Siddiqui**

Chairman,  
Organizing Committee

"Cables represent one of the most critical yet often overlooked assets in modern infrastructure. While significant attention is given to generation, transmission, substations, and equipment, the long-term reliability of cable systems depends equally on proper design, installation, testing, protection, and maintenance.

Care4Cable was created with a simple vision: to bring together the collective wisdom of the industry and create a platform where experts can openly share knowledge, experiences, challenges, and solutions.

The 2026 International Conference is an important step in that journey. We welcome professionals from across the world to participate, learn, network, and contribute to the advancement of cable engineering practices."



**Imteyaz Siddiqui**

Chairman, Organizing Committee  
CARE4CABLE



**Dr. Aradhana Ray**

Asset Management Chair,  
CARE4CABLE



## ABOUT CARE4CABLE

Care4Cable is a Knowledge Cluster initiative and an industry-led knowledge platform dedicated to advancing the reliability, safety, performance, and life cycle management of insulated cable systems through the dissemination of knowledge, best practices, and practical field experience.

The initiative brings together utilities, consultants, manufacturers, EPC contractors, testing specialists, researchers and end users to exchange knowledge, practical experiences, innovations and lessons learned across the complete life cycle of cable systems.

Over past 7 years, Care4Cable has evolved into one of India's most recognized platforms for underground Power cable systems through workshops, webinars, field studies, technical discussions and expert-led knowledge-sharing initiatives.

## CARE4CABLE AT A GLANCE



More than  
1500+ engineers  
trained



Participation from  
utilities, industries,  
OEMs and EPC contractors



Technical  
experts from India  
and abroad



Focus on practical  
challenges and  
real-life case studies



Strong emphasis on  
reliability, diagnostics  
and asset management



Gyansabha - interactive  
problem-solving sessions  
with industry experts



Platform for innovation,  
technology transfer and  
continuous learning

## WHY PARTICIPATE?

The conference provides a unique opportunity to interact with utilities, manufacturers, EPC contractors, consultants, testing specialists, researchers and asset owners from India and abroad.

### Participants will have the opportunity to:

- Present technical papers and case studies
- Share practical experiences and lessons learned
- Learn global best practices and emerging technologies
- Showcase innovative products, services and solutions
- Network with decision makers and industry experts
- Discuss challenges with subject matter experts
- Explore future trends in cable systems
- Contribute towards improving industry practices

TECHNOLOGIES | INNOVATIONS  
SOLUTIONS | SUSTAINABILITY

Round Table with  
**Shri Shripad Yesso Naik**  
Hon'ble Minister of State for Power  
and New & Renewable Energy





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## CALL FOR PAPERS

Technical papers, case studies, research findings, innovation papers and practical field experiences are invited from:

- Utilities
- Cable & Accessory Manufacturers
- Consultants & EPC Contractors
- Testing and Diagnostic Service Providers
- Research Org & Academic Institutions
- Academic Institutions
- Data Centre Operators
- Metro and Railway Organizations
- Renewable Energy Developers
- Utilities & Industry End users

The Eminent experts from Utilities and Industries on the topics of this international conference have been invited to share your experience, showcase your findings/research, and deliver expert lectures during this international Conference. The professionals who desire to make presentations/case studies on the above subject are also welcomed. Please arrange to send your paper on or before **05-08-2026** to [elsy.george@care4cable.org](mailto:elsy.george@care4cable.org) & [dtoffice@kcluster.com](mailto:dtoffice@kcluster.com)

The Author attending the workshop will be provided complimentary registration. Co-authors will be subject to regular registration charges.

## SESSION 1 :

### SELECTION, DESIGN AND ENGINEERING OF INSULATED CABLE SYSTEMS

- Selection criteria for HV, EHV, HVDC, Subsea and Specialty Cables
- Ampacity studies, thermal modelling and rating calculations
- Geo-technical, hydrology and environmental considerations
- Determination and optimization of cable routes
- Global design practices for insulated cable systems
- Cable sheath bonding, armour earthing and induced voltage management
- Data Centre cable infrastructure design
- Metro and Railway cable systems
- Renewable Energy and BESS cable systems
- Offshore and Subsea cable systems
- Planning and execution challenges
- Emerging trends in cable system design

## SESSION 2 :

### PROCUREMENT, SPECIFICATIONS AND QUALITY ASSURANCE

- Techno-commercial evaluation and procurement practices
- Role of OEM from manufacturing to commissioning
- Quality Assurance Plans (QAP)
- Technical specifications and compliance requirements
- Type Tests, Routine Tests, Sample Tests and PQ Tests
- Factory Acceptance Tests and inspection practices
- Fire-retardant, FRLS, LSZH and specialty cable design requirements
- Fire performance testing and compliance standards
- Supply chain and project execution challenges
- International quality assurance practices



**Er. Shashi Amin**

Director & CEO, Polycab



**Uma Shanker Prasad**

Head of QA/QC, APAR



**Amol S**

Director, LeakXpert

## SESSION 3 :

### GLOBAL PRACTICES OF CABLE LAYING, INSTALLATION & COMMISSIONING, SAFETY

- New technology trends in cable installation
- Field Quality Plans (FQP), installation checklists and quality hold points
- Trenchless technologies and HDD applications
- Cable pulling methodologies
- Understanding and mitigating sidewall pressure
- Pull tension estimation and control
- Cable lubricants and installation best practices
- Installation in congested urban areas
- Smart Cities and Smart Grid cable projects
- Metro, Railway and Airport cable projects
- Offshore and coastal cable installation challenges
- Global case studies of cable installation
- Safety Guidelines for cable storage, Installation & testing

## SESSION 5 :

### OPERATION, MAINTENANCE AND ASSET MANAGEMENT

- Online and offline monitoring systems
- Cable operational parameters and performance indicators
- Maintenance planning and scheduling
- Overloading, emergency loading and thermal management
- Fault location and restoration practices
- Asset management frameworks and strategies
- Cable, accessory and spare inventory management
- Storage, preservation and shelf-life management of cables, joints and terminations
- Strategic spare philosophy and emergency restoration readiness
- Reliability and resilience of cable systems
- Management of aged and obsolete cable systems
- Repair, refurbishment, replacement and life-extension strategies
- Utility experiences and case studies
- Emergency preparedness and business continuity

## SESSION 4 :

### ACCESSORIES, TERMINATIONS AND SYSTEM RELIABILITY

- Design and selection of cable joints and terminations
- GIS, AIS and transformer terminations
- OH line and hybrid substation cable interfaces
- Cable sealing systems and water ingress protection
- Firestop and passive fire protection systems
- Reliability of accessories and workmanship practices
- Storage, preservation and shelf-life management of joints, terminations and accessory kits
- Common failure modes and root cause analysis
- Lessons learned from field failures

## SESSION 6 :

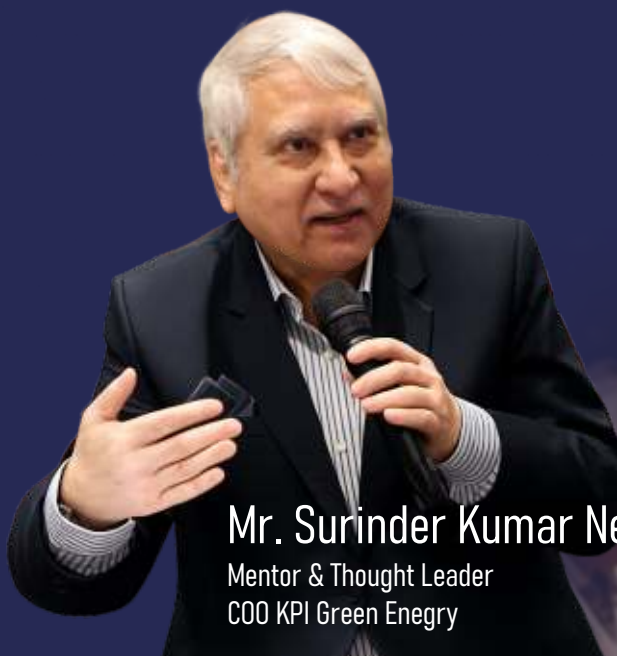
### ADVANCED DIAGNOSTIC TECHNIQUES FOR INSULATED CABLE SYSTEMS

- Pre-commissioning testing
- Benchmark values, signature records and acceptance criteria for cable systems
- Best practices of dielectric testing of cable systems at site
- VLF, DAC and AC testing methodologies
- Global best practices in cable diagnostics
- Online PD monitoring of HV and EHV cable systems
- Continuous online PD monitoring for MV cable systems
- Distributed Temperature Sensing (DTS)
- Fibre optic monitoring technologies
- Condition-based maintenance methodologies
- Diagnostic case studies and lessons learned

## SESSION 7 :

### LIFETIME STRATEGY, DIGITALIZATION AND FUTURE NETWORKS

- Parameters and algorithms for health indexing
- Global health monitoring strategies
- Lessons learned from past failures for more accurate health indexing
- Remaining Life Assessment (RLA)
- Digital twins for cable systems
- AI and Machine Learning applications
- Sustainability and life cycle optimization
- Circular economy, recycling and environmental stewardship



**Mr. Surinder Kumar Negi**

Mentor & Thought Leader  
COO KPI Green Energy





Sri Venkateswar Bulusu,  
Vice President,  
Reliance

## ABOUT ORGANIZERS

Care4Cable is a Knowledge Cluster initiative dedicated to advancing reliability, safety, and performance of insulated cable systems. Supported by a network of industry experts, utilities, manufacturers, consultants, and service providers, it has engaged over 1,500 engineers through conferences, workshops, and knowledge-sharing forums.



Jagdish Sandanshiv  
Director, Knowledge Cluster

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## REGISTRATION

**TO REGISTER:** The participants, desirous of attending the above workshop may register themselves by sending the Registration Form to Knowledge Cluster Pvt Ltd. Mumbai, along with necessary payments. Participants are advised to bring GST No, of their organization along with name of office to whom the invoice is to be sent.

**REGISTRATION FEES:** The duration for the workshop will be for 2 days. The event is non-residential. Participants will have to make their own arrangements for travel, boarding and lodging etc. The fees will cover the professional fees, delegate kit, Proceedings, working lunch, Tea/coffee/snacks during the workshop.

o **INR 20,000\* + GST 18% extra**

o **USD 400 for foreign participants.**

### Discounted amount applicable for Groups

o Rs. 75,000/- plus 18% GST for Group of 5 participants from same organization.

o Rs. 1,50,000/- plus 18% GST for Group of 12 participants from same organization. Above prices are Discounted for the specified Group only. No other discount is applicable.

### VENUE:

Hotel Sahara Star, Opposite Domestic Airport, Vile Parle East, Mumbai, MH, India - 400099

### TIMINGS:

o Day 1 - Registration & Networking Breakfast 8:30 to 9:30 AM, followed by Inauguration, technical Sessions & Evening Gala.

o Dinner Day 2 - 8.30 to 09:00 AM Networking Breakfast followed by technical sessions way forward till 4:30PM.

### BANK DETAILS:

**Knowledge Cluster Pvt Ltd.**

ICICI Bank, Thane Branch, 400 602

A/C No- 003505012280

IFSC Code - ICIC00000035

**GST Number** -27AAECK7131P1Z3

**PAN No** - AAECK7131P

**Cheque/DD** in the name of "Knowledge Cluster Pvt Ltd, Thane" payable at Thane.

### CONTACT:

Bhavika Dhanwani **+91 9730135975**

Palak Sajani **+91 9004046563**

Jagdish Sandhanshiv **+91 9867976570**

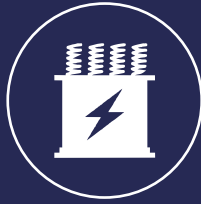
Mukta **+91 9324462024**



## WHO SHOULD ATTEND / APPLICATION AREAS



Transmission  
Utilities



Distribution  
Utilities



Data  
Centres



Metro and  
Railway Systems



Renewable Energy  
and BESS Projects



Industrial and  
Process Plants



Commercial &  
Residential  
Developments



Smart Cities and  
Utility Tunnels



Offshore and  
Subsea Projects

Ideal for professionals involved in the design, specification, procurement, installation, commissioning, operation, maintenance, testing, diagnostics, reliability, asset management and digitalization of cable systems.



**Sanjay Mishra**

Chairman, SM Systems



**Premjeet Nair**

Head Cable Infrastructure South Asia  
(Sales / Technical / Service), Megger



**Aditya Korde**

Managing Director, Diagnostic Technologies  
India Pvt. Ltd.



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WED & THU

In Association With

**Polywater**  
Solutions at work.



**SM**  
Systems

**LeakXpert**

CARE4CABLE 2025 WORKSHOP



**P K Pattanaik**

Director (Operation), OPTCL



**Ameya Phadnis**

Associate-HV CABLE, WSP



**Ravindra Gawade**

AGM Cable Division, Tata Power



**Sanjeev Kumar Chaudhary**

Senior General Manager, Powergrid



Organizer's Contact Details

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