



CONNECTING ENERGY | POWERING TOMORROW

СОННЕСТНН ЕНЕРГЕА | ПОМЕКННН ТОМОРРОВ

ENGINEERED IN INDIA • SERVING GLOBAL POWER INFRASTRUCTURE

Transmission Line Hardware & Distribution Accessories

**Transmission | Sub-station | Distribution |
Conductors • Earthwire • OPGW • ADSS • MVCC • AB Cable Accessories**

About TREXON ENERGY

A focused engineering and manufacturing platform for power infrastructure.

TREXON ENERGY is positioned as an engineering-led supplier of hardware, accessories and connectivity solutions for electrical transmission, distribution and communication networks.

Our portfolio is designed around the practical needs of utilities, EPCs, line contractors, distributors and infrastructure developers — from conductor fittings and optical-fibre accessories to medium-voltage covered-conductor and aerial-bunched-cable systems.



01

ENGINEERING

Application-oriented design and product development

02

MANUFACTURING

Controlled processes for repeatable quality

03

QUALITY

Inspection, testing and documentation

04

GLOBAL SUPPORT

Project documentation and export readiness

Our Product Universe

Six complementary product families serving the connected power network.

01

TRANSMISSION

Suspension, Tension,
Compression, Jumper and Line
Hardware

02

CONDUCTORS & HTLS

ACSR, AAAC, ACSS, HTLS and
specialized conductor fittings

03

OPGW

Optical ground wire fittings,
clamps and tower accessories

04

ADSS / OFC

ADSS suspension, dead-end and
fibre-route accessories

05

MVCC

Covered-conductor hardware and
electrical connection accessories

06

AB CABLE

Aerial-bunched-cable anchoring,
suspension and connection
systems

Transmission Line Hardware

Mechanical and electrical interface solutions for overhead transmission lines.

BUILT FOR THE GRID

A broad portfolio for conductor, insulator and tower-side applications — configurable around project drawings, conductor types and utility requirements.

- Suspension assemblies
- Tension / dead-end assemblies
- Compression joints & repair sleeves
- Jumper & line connectors
- Spacer & vibration dampers
- Earthwire and tower accessories



Conductor & HTLS Solutions

Fittings engineered around conductor geometry, mechanical loading and electrical performance.

CONDUCTOR FAMILIES

- ACSR • AAAC • AAC • ACAR
- ACSS and other high-temperature conductors
- HTLS / advanced conductor applications
- Application-specific compression fittings

KEY FITTINGS



Dead-End

Compression termination for conductor anchoring



Mid-Span Joint

Permanent conductor continuity connection



Repair Sleeve

Restoration of damaged conductor sections



Suspension

Mechanical support with controlled conductor interface

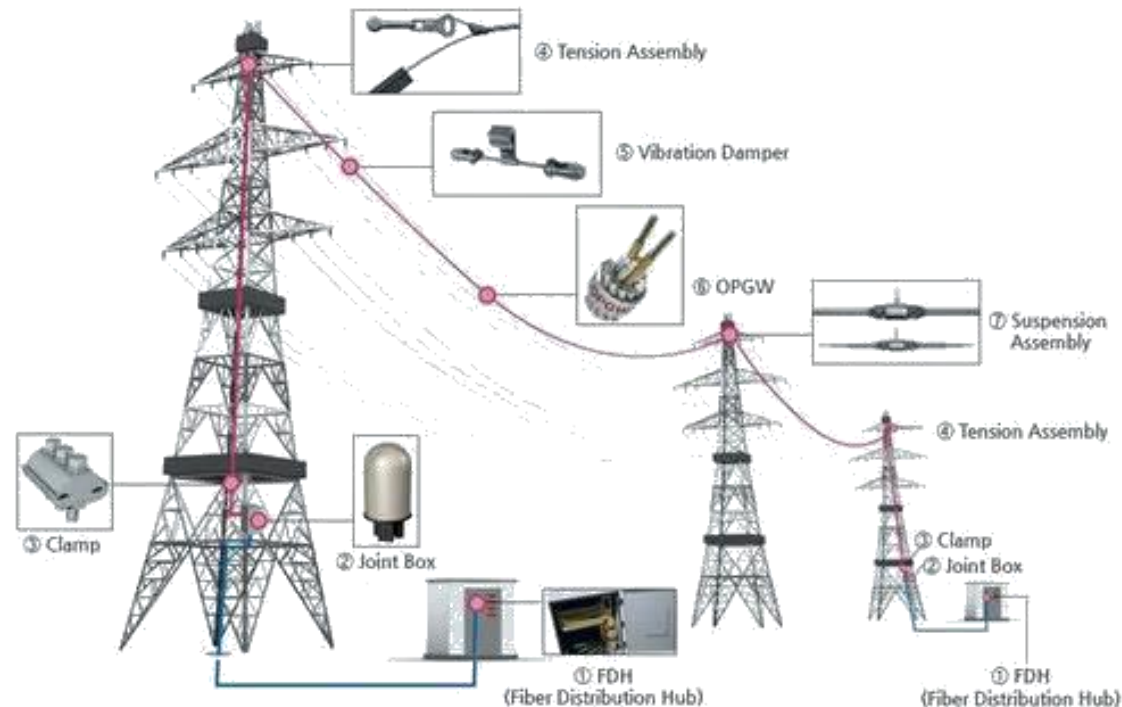
Typical engineering inputs: conductor diameter • lay/strand construction • rated tensile strength • operating temperature • crimping sequence

OPGW Hardware & Accessories

Power transmission and optical communication in one integrated line route.

CONNECTING POWER + DATA

OPGW accessories are designed to manage the mechanical and installation requirements of optical ground wire on transmission structures.



- Suspension assemblies
- Tension / dead-end assemblies
- Down-lead clamps
- Vibration dampers
- Earthing & bonding accessories
- Jointing / route accessories

ADSS & Fibre-Optic Accessories

Reliable mechanical support for all-dielectric aerial optical cable routes.

CONNECTING THE DIGITAL GRID

A focused range for ADSS deployment on poles and transmission/distribution structures, including suspension, anchoring and route-management accessories.



ADSS dead-end clamps

Application-specific hardware



ADSS suspension clamps

Application-specific hardware



Helical / spiral accessories

Application-specific hardware



Down-lead & cable storage

Application-specific hardware



Pole / tower mounting hardware

Application-specific hardware



Vibration-control accessories

Application-specific hardware

MVCC Accessories

Hardware and electrical connection solutions for covered-conductor distribution networks.

**SMARTER
DISTRIBUTION.
SAFER
NETWORKS.**

MV Covered Conductor

Designed for practical field installation,
mechanical support and reliable electrical
connection.

Suspension

Support assemblies

Tension

Anchoring assemblies

IPC

Insulation piercing connections

Line Taps

Branch connections

Joints

Conductor continuity

Earthing

Bonding accessories

AB Cable Accessories

Anchoring, suspension and electrical connection systems for aerial-bunched cable networks.

RELIABLE ACCESSORIES FOR MODERN DISTRIBUTION

ANCHORING

- Dead-end clamps
- Wedge clamps
- Anchor brackets

SUSPENSION

- Suspension clamps
- Support brackets
- Pole hardware

CONNECTION

- IPCs
- Service connectors
- Parallel-groove connectors

ROUTE ACCESSORIES

- Spacers
- Cable storage
- Earthing accessories

Typical application: LV aerial distribution, service connections and compact overhead cable networks.

Substation & Connection Hardware

A complementary portfolio for electrical equipment and busbar interfaces.

FROM LINE TO SUBSTATION

Where required by project scope, TREXON can extend the hardware portfolio into substation and equipment connection applications.



PG CLAMPS

Parallel groove connections

T-CLAMPS

Branch and equipment connections

COMPRESSION

Permanent electrical joints

BI-METALLIC

Aluminium-to-copper interfaces

FLEXIBLE

Equipment flexible connections

BUSBAR

Busbar support accessories

Manufacturing Capability

A process-led manufacturing model built around consistency, traceability and delivery.

01

RAW MATERIAL

Controlled process step

02

FORGING / CASTING

Controlled process step

03

MACHINING

Controlled process step

04

FABRICATION

Controlled process step

05

ASSEMBLY

Controlled process step

06

FINISHING

Controlled process step

07

INSPECTION

Controlled process step

08

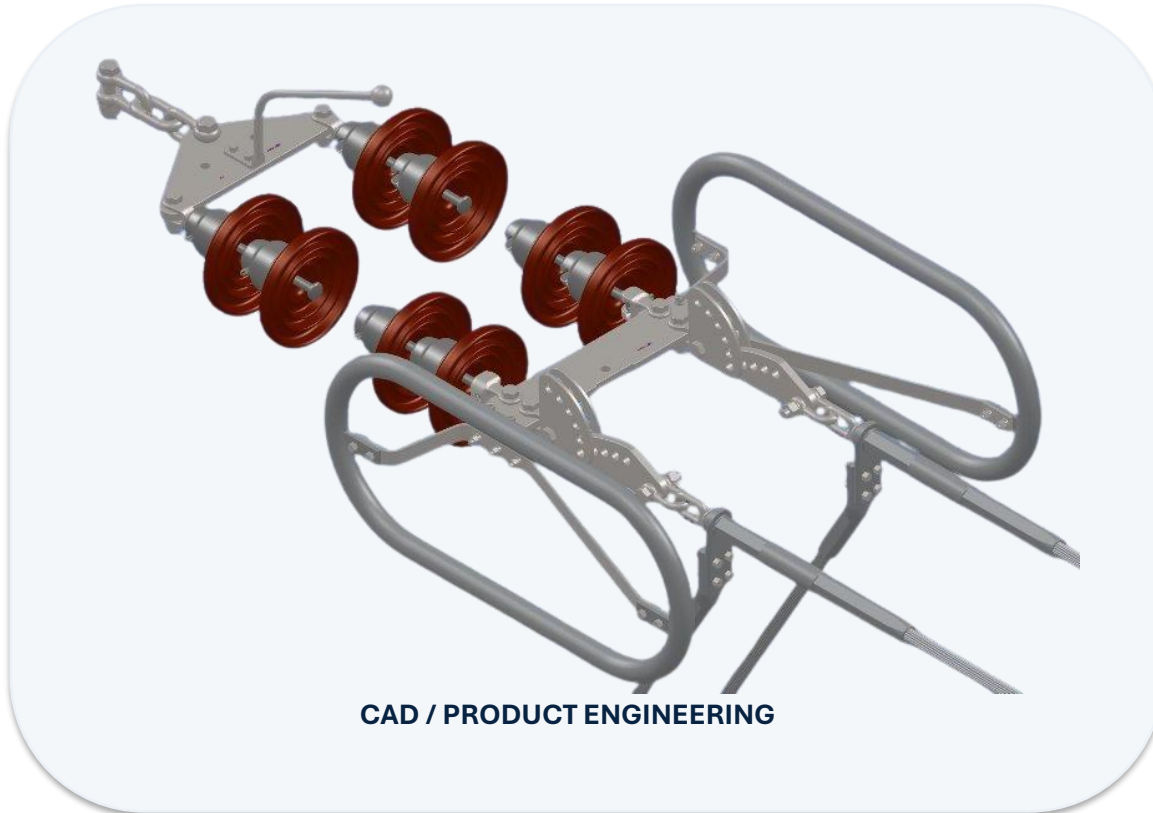
PACK & DISPATCH

Controlled process step

PROCESS DISCIPLINE → REPEATABILITY → TRACEABILITY → CUSTOMER CONFIDENCE

Engineering & Product Development

Turning application requirements into manufacturable, testable products.



- 2D manufacturing drawings
- 3D product modelling
- Crimping and assembly definition
- Material and component selection
- Application-specific design review
- Prototype and product improvement

Testing & Quality Assurance

Quality is built into the process — and demonstrated through inspection and testing.



MECHANICAL

Load • slip strength • dimensional checks



ELECTRICAL

Resistance • current-carrying interfaces



THERMAL

Heating-cycle and temperature-rise evaluation



MATERIAL

Material verification and process controls



VISUAL / DIMENSIONAL

Finish, fit, dimensions and traceability



DOCUMENTATION

Reports, drawings, GTP / QAP support

DESIGN → TYPE / VALIDATION TESTING → PROCESS CONTROL → FINAL INSPECTION → DOCUMENTATION

Standards, Documentation & Compliance

A documentation framework designed for technical evaluation and project execution.

ENGINEERED TO THE APPLICABLE REQUIREMENTS OF EACH PRODUCT AND PROJECT

IEC

International electrical standards, where applicable

IEEE

Relevant power and testing references, where applicable

ANSI

Connector and fitting requirements, where applicable

ASTM

Material and test references, where applicable

IS / EN / BS

Project and market-specific standards, where applicable

CUSTOMER SPEC.

Utility / EPC drawings, GTP, QAP and approved requirements

Note: specific standards and approvals should be confirmed product-by-product before issue of final technical documentation.

Application Portfolio & Target Regions

Designed for the infrastructure that moves electricity and information.

POWER INFRASTRUCTURE APPLICATIONS

- Transmission lines
- Distribution networks
- Optical communication routes
- Substation connections
- EPC and utility projects
- Domestic and export supply

Target Global Markets

- India
- Africa
- South Asia
- Middle East
- Southeast Asia
- Latin America

EXPORT-READY SUPPORT

Technical documentation • Export packaging • Inspection coordination • Shipment support

Voltage Capabilities

TRANSMISSION

66 kV • 110 kV • 132 kV • 220 kV • 400 kV • 765 kV

DISTRIBUTION

11 kV • 22 kV • 33 kV



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LET'S BUILD THE NEXT CONNECTION.

**Transmission | Connectors | Distribution |
Conductors • Earthwire • OPGW • ADSS • MVCC • AB Cable Accessories**

Reg. Office & Manufacturing Plant:

 Address:

*Plot No. 1, Behind Shah Industrial Park-2,
Lamdapura Road, Village: Manjusar,
Taluka: Savli, Dist.: Vadodara, Gujarat*



 www.trexonenergy.com

 info@trexonenergy.com

 +91 9829010365