

CANADA POWER UTILITY SOLUTIONS

A global grid modernization partner
with a strong Canadian footprint





POWERING CANADIAN INDUSTRY FOR 100+ YEARS

Prysmian is the world's leading provider of energy and telecom cable systems, trusted globally to strengthen and modernize critical infrastructure. For Canadian Power Utilities, Prysmian brings a uniquely comprehensive value proposition: end-to-end cable system expertise that spans high-performance cables, engineered accessories, digital monitoring technologies, and full lifecycle asset management.

Canadian utilities today face increasing pressure to enhance grid reliability, integrate renewable generation, manage aging infrastructure, and operate with greater transparency and efficiency.

With a strong Canadian presence backed by global resources, Prysmian partners with utilities to reduce total cost of ownership, accelerate modernization, and ensure long-term system resilience. The result is a solutions-driven approach that empowers utilities to deliver safe, reliable, and sustainable power to the communities they serve.

Prysmian directly supports the needs and priorities of Canadian Power Utilities with our range of innovative, reliable solutions, including:



Grid-ready cable systems engineered for Canada's demanding climates, from urban networks to remote transmission corridors.



Fully integrated accessories—joints, terminations, splices, and hardware—designed and tested to perform as a unified system with Prysmian cables.



EOSS monitoring and diagnostics, enabling utilities to move from reactive maintenance to predictive, data-driven asset management.



Lifecycle services, including installation support, condition assessment, failure analysis, and long-term reliability programs.

WE'RE MORE LOCAL THAN YOU THINK

Prysmian has been serving Canada for more than a century. Our Canadian facilities provide advanced, reliable cabling solutions for power distribution, industrial and construction applications, telecom, and more. Backed by our global network, Prysmian Canada is your partner for the world's most innovative wire and cable products—many manufactured right here in Canada by Canadian workers.

SCALABLE POWER TO MEET INFRASTRUCTURE DEMANDS

In addition to our Canadian cable manufacturing plants, Prysmian has another 35 manufacturing facilities across North America to support growing demand for the Power Grid Modernization & Digitalization. This North American footprint is strategically important for utilities because it supports shorter lead times, regional inventory and local technical support, all of which strengthen supply chain resilience.

The accelerated build out of the electrical power grid requires flexibility and scalability, and Prysmian's low and medium voltage cables are purposefully designed for easy, efficient installation. Even in the most demanding environments, you can rely on life expectations of at least 40 years with our products.

With our world-class, vertically integrated manufacturing and engineering, Prysmian Canada is committed to creating the most comprehensive line of utility power cables, so you get the right solution for your power grid – no matter the challenge.



POWER GRID PLANTS

PRESCOTT, ON



Est. 1981 / 187,380 sq. ft.

I&C / Digital Solutions Distribution Center

Primary Power: Medium Voltage, C/N, 5kV to 46kV

Secondary Power: USEI & USEB, CU & AL

Copper Building Wire: RW90/RWU90, AC90

Industrial Power: MV-90, MV-105

MV TECK: Medium Voltage Shielded 5-35kV

LV TECK: Low Voltage, 600 & 1000 Volt

ST-JÉRÔME, QC



Est. 1968 / 79,140 sq. ft.

Primary Power: Medium Voltage, C/N, 5kV to 46kV,
Submarine Cables

Secondary Power: USEI & USEB, CU & AL Conductor,
NS-75 & NS-90

ST-MAURICE, QC



Est. 1986 / 164,000 sq. ft.

Bare Overhead Conductors: Distribution & Transmission
conductors, all sizes

Bare Overhead Conductors: ACSR, AAC, AAAC, ACSS, etc.

Aluminum Strip: Processes into aluminum metal armor

LAPOINTE, QC



Est. 1968 / 62,000 sq. ft.

Aluminum Metallurgy & Continuous Casting

Aluminum Rod: Processed into aluminum strand at
cable plant

INTEGRATED SOLUTIONS FOR STRONGER GRIDS

GRID RESILIENCE



Monitoring enhances real-time visibility and enables preventive maintenance



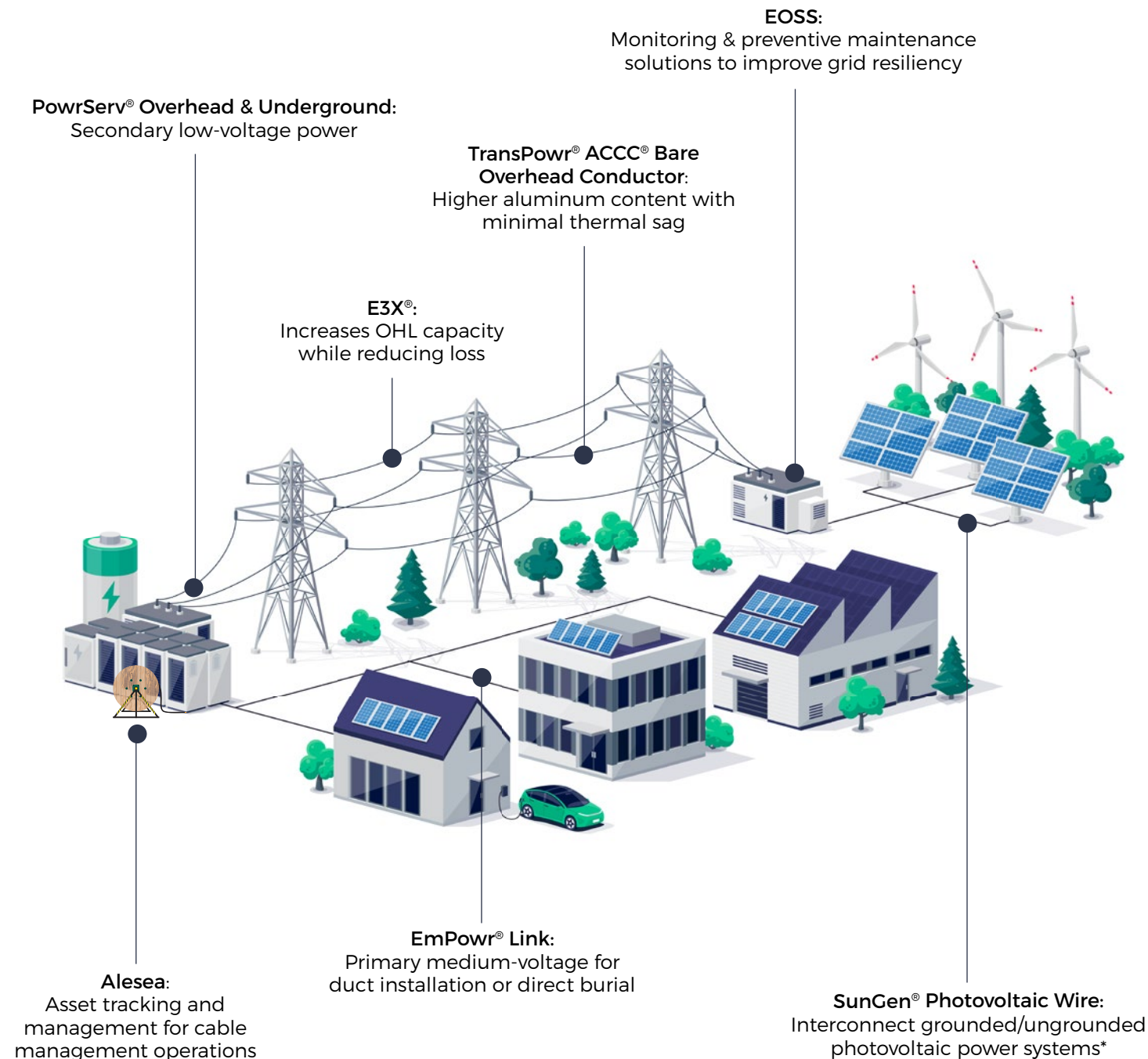
Enhancement solutions increase line capacity and infrastructure resilience



Modernization planning accounts for climate risks, asset health, and VERs adoption



Grid-scale storage enhances stability and drives RES integration



* Per CSA 22.2 No. 271

GRID FLEXIBILITY



Demand response platforms enable dynamic responses to grid demand



Virtual Power Plants (VPPs) aggregate distributed energy sources



Micro grids & energy communities create custom networks enabling sharing among prosumers

UTILITY SOLUTIONS

LOW-VOLTAGE – UNDERGROUND SECONDARY



Cable Types: USEI-75, USEI-90, USEB-90

Conductors: Multiple, Class B Compact, aluminum alloy 1350 per ASTM

Conductor Insulation / Jacket Material: Linear Low-Density Polyethylene (LLDPE) / PVC

Assembly: Full or reduced neutral conductor, insulated and jacketed, class B compact concentric strand aluminum alloy 1350 per ASTM, twisted together with the phase conductors (USEI). Full or reduced copper neutral conductor helically applied over the paralleled phase conductors (USEB).

Voltage: 600 Volt

Rating: CSA C22.2 No. 52 (-40°C, FTI, Sunlight Resistant)

Sizes, Constructions: 4 AWG to 500 MCM; 2, 3, or 4 conductors

Options: Copper conductors, XLPE insulation (CSA C22.2 No. 38)

LOW-VOLTAGE – OVERHEAD SECONDARY



Cable Types: NS75, NS90

Insulated Conductors: Class A smooth body compact 1350-H19 (full hard) aluminum

Insulation: Linear Low-Density Polyethylene (LLDPE) or XLPE

Bare Neutral: Aluminum Conductor Steel Reinforced (ACSR)

Voltage: 600 Volt

Rating: CSA C22.2 No.129 and CAN/CSA C61089

Sizes, Constructions: 6 AWG to 1/0 in Duplex, 4 AWG to 477 MCM in Triplex/Quadruplex

OVERHEAD CONDUCTORS – DISTRIBUTION & TRANSMISSION



Conductor Types: ASC, AAC, AASC, ACSR & ACSR/TW, ACSS & ACSS/TW, ACCC & ACCC/TW

Conductors: All Aluminum Conductors, Aluminum Conductor Steel Reinforced, Aluminum Conductor Steel-Supported, Trapezoidal Wire (TW) options

Rating: CSA, ASTM

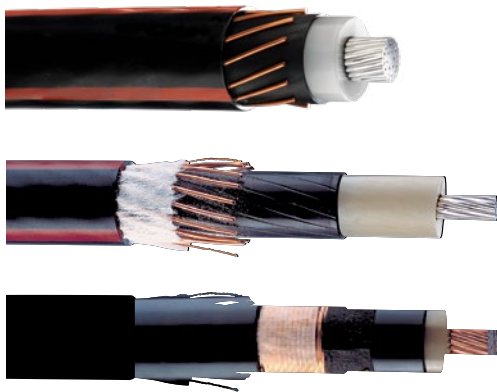
Sizes: 6 AWG to 3500 MCM

Options: E3X® surface coating



UTILITY SOLUTIONS

MEDIUM VOLTAGE - UNDERGROUND PRIMARY 15KV - 46KV



Conductors: Water-blocked Class B Compact Copper or 1350 Aluminum

Conductor Shield: Extruded thermosetting semiconducting shield

Insulation: Tree Retardant Cross-linked Polyethylene (TRXLPE) or Ethylene Propylene Rubber (EPR) in 100%, 133% or 173% insulation levels

Insulation Shield: Extruded thermosetting semiconducting shield

Metallic Shield: Bare copper concentric neutral wires (round or flat strap) with water-swellable powder/tape or Longitudinally Applied Corrugated Tape (LACT)

Jacket: Linear Low-Density Polyethylene (LLDPE) Encapsulating Jacket, UV-Resistant

Rating: CSA-C68.5

Voltage Rating: 15kV, 25KV, 28kV, 35kV, 46kV

Sizes: 2 AWG to 1000 MCM



ACCESSORIES



Elaspeed™ Splices: 5 kv to 35 kV applications with cold-shrink technology



ColdFit™ Terminations: 5 kV, 15 kV, 25/28 kV, and 35 kV applications



Deadbreak Elbows: 600/900 Amp Deadbreak Elbows made of EPMD (5-28 kV, 35 kV), compatible for XLPE and EPR cables

Grounding Kits: Grounding Braid Kits, LC Shield Connectors



Tools & Accessories: Pliers, MVS Stop, CWB/18-60, Multifunction tools, DSP, EVP, Holding tools, replacement parts, and more

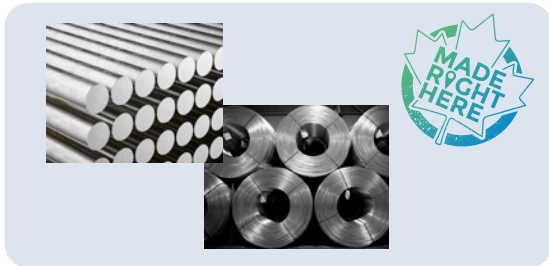
INNOVATIONS THAT POWER PROGRESS

E3X® GRID ENHANCING TECHNOLOGY



Prysmian's groundbreaking E3X® Technology is the first heat-dissipating overhead conductor that transforms the power grid through reduced power loss, increased capacity and lower costs. The coating can be applied during new conductor production, while the award-winning robot system can strip and coat pre-existing lines for faster modernization.

ALASTA ALUMINUM ROD & STRIP



Prysmian is one of North America's leading suppliers of vertically-integrated aluminum strip and aluminum rod. ALASTA Advanced Aluminum Technologies delivers best-in-class aluminum solutions for applications including construction, utility, automotive, food, textile, electronic, electrical, welding and transportation--made right here in Canada at our LaPointe QC facility.

ALESEA CABLE INVENTORY MANAGEMENT



Alesea transforms cable reels into intelligent assets, with real-time insights to support localization, monitoring, inventory visibility, proactive stock planning, security, transport & delivery, and more.

EOSS – ELECTRONICS & OPTICAL SENSING SOLUTIONS



EOSS is Prysmian's end-to-end predictive monitoring ecosystem, enabling utilities to anticipate failures, optimize maintenance, and operate networks with greater reliability and efficiency. This complete grid intelligence solution can predict faults, reduce outages, protect infrastructure, and lower operational risk.

ENABLING CANADA'S GRID AT SCALE

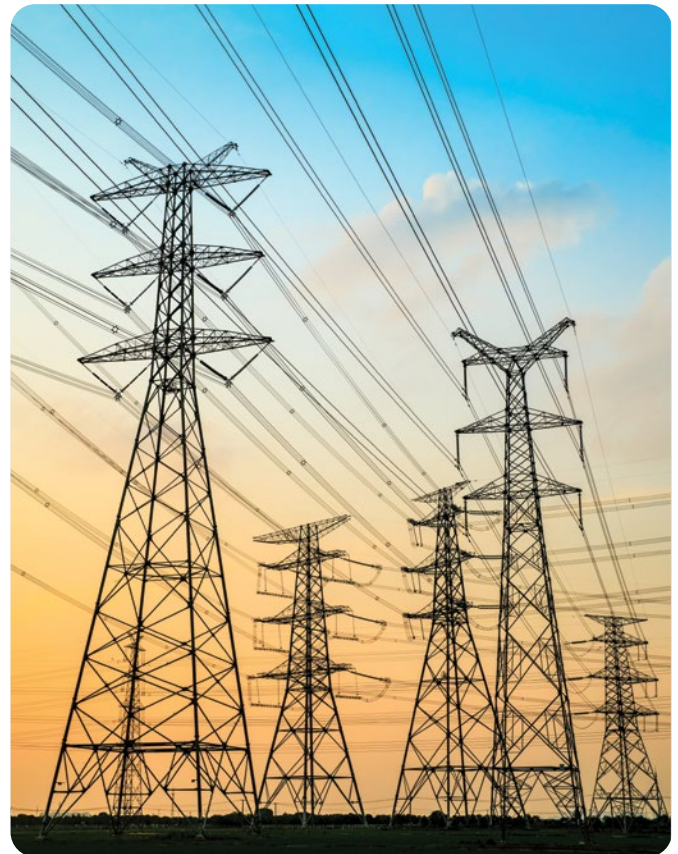
POWERING CANADIAN UTILITY GROWTH THROUGH DOMESTIC MANUFACTURING STRENGTH



Prysmian Canada is uniquely positioned to help power utilities accelerate growth, improve grid reliability, and future-proof infrastructure through a fully integrated, local manufacturing ecosystem - delivering certainty, scalability, and innovation when it matters most.

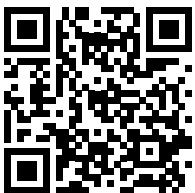
With a strong domestic footprint, four manufacturing plants and 750+ employees in Canada, Prysmian provides a secure, local supply of overhead and medium-voltage cable solutions that reduce lead times and mitigate global supply chain risks. Our advanced cable technologies enhance grid capacity, improve efficiency, and enable faster installation, helping utilities expand and modernize their networks more quickly and cost-effectively.

Combined with a focus on durability, resilience, and sustainability, Prysmian's utility solutions made right here in Canada allow our partners to confidently invest in grid expansion while meeting the growing demands of electrification and long-term decarbonization goals.





GRID  EXPERTS



na.prysmian.com/canada

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