

Power cable partnership

DT Jointing Solutions is a proud supplier of Elcon Megarad. Elcon Megarad manufactures and supplies power cable accessories based on the most advanced technologies (heat-shrinkable, cold-shrinkable, plug-in, injectable and cast resin) for different applications and voltage levels; moreover it manufactures and sells its own heat-shrinkable tubes and moulded parts that complete the wide range of products together with mastics and resins for electrical use and many other components.



Elcon Megarad's electrical and chemical laboratories are equipped with state-of-the-art instruments to perform the strictest tests on components and accessories of power cables for low, medium and high voltage. Solutions available for almost any request. Design, production, and supply of joints and terminations of different technologies: heat-shrinkable, cold-shrinkable, as well as resin and tape-based solutions.


Chemical laboratory: Chromatography, calorimetric, thermo gravimetric, infrared, cryostat analyses.

High voltage laboratory: B.I.L. test (up to 400kV), withstand test (up to 300kV), partial discharge test, thermal cycling test, low and high voltage, tracking test.

Physical laboratory: Elongation test, torsion test, impact test, tensile strength test.

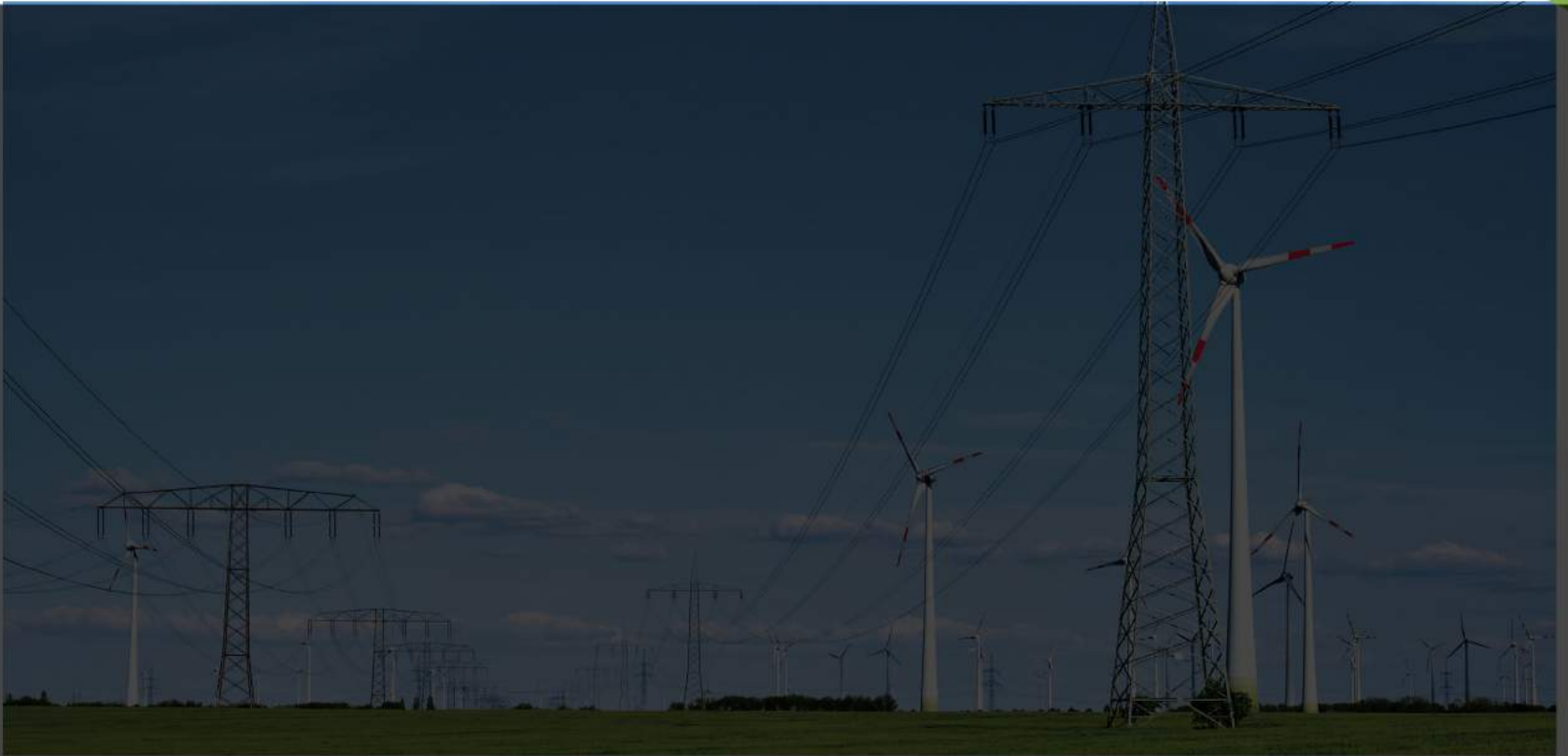
Power cable accessories for low, medium, high voltage

Elcon and Megarad were founded in the early 1980s. Elcon Megarad, born as a result of the merging of the two companies, is today part of a fully Italian industrial group. The company operates and is internationally recognised in the field of design and production of accessories and components for low, medium and high voltage power cables, and of other products for insulation and electrical connection. During the past 40 years, Elcon Megarad has gained deep experience in the market as a supplier of the most important electric utilities, for which it has developed and homologated specific proprietary solutions, with certified quality, compliant with the strictest international technical specifications.

Please contact DT Jointing Solutions for more information. 



ELCON MEGARAD HAS GAINED DEEP EXPERIENCE IN THE MARKET AS A SUPPLIER OF THE MOST IMPORTANT ELECTRIC UTILITIES...



Navigating changes in the power grid

The distribution network represents the largest interconnected machine in the world. While many of the assets haven't changed for decades, their use is changing very rapidly.

With the increase of Electric Vehicles (EVs) and Distributed Energy Resources (DER) throughout the network, utilities must adapt to the new dynamics straining the historically passive medium and low voltage distribution networks to maintain a continuous power flow.

With EV charging demanding more electricity and DERs challenging grid integration, it presents the risk of overloading substations and creating grid imbalances. Without proper monitoring available, there is a higher risk of inaccurate identification and representation of outages, resulting in many people without power. To mitigate the potential risks, greater visibility into each electrical aspect of the power grid is a necessity.

To better enable the network to function correctly, utilities must manage and monitor the power quality throughout the distribution network to ensure correct operations. By involving smart data-driven technology and online monitoring of the power grid, utilities are able to make smart decisions, operate more efficiently, and mitigate the risks.

Dynamic Ratings help utilities integrate asset monitoring solutions to address the increasing challenges throughout the distribution network. The ConnectGrid Smart Infrastructure Solution is an agile technology stack that enhances greater connectivity to grid edge assets for better management. This IoT platform bridges operational technology hardware such as transformer monitors and line sensors with energy business systems such as PI to ensure secure and easy data transmission to all stakeholders. By partnering with customers, Dynamic Ratings offers support and solutions to help utilities navigate the advancing power grid.

Learn more about what Dynamic Ratings has to offer by stopping by booth #83 at Energy Networks Australia on 19-21 March. 📍



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For all your LV, MV and HV cable jointing requirements, including joints, terminations, screened connectors, tooling, wipes, proximity alarms, FR3 fluid, flexible current systems and more; contact DT Jointing Solutions today.

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