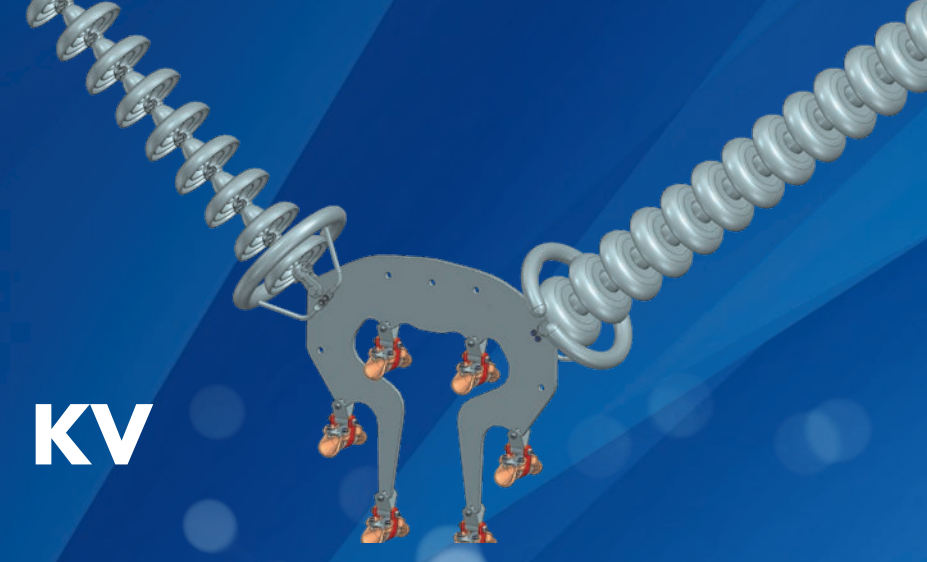


# PROVEN 765 KV SOLUTIONS

FOR THE US MARKET



# ENERGY

WE ENERGIZE THE WORLD

# ENERGY

WE ENERGIZE THE WORLD

# STRING HARDWARE SOLUTIONS

FOR OVERHEAD TRANSMISSION LINES

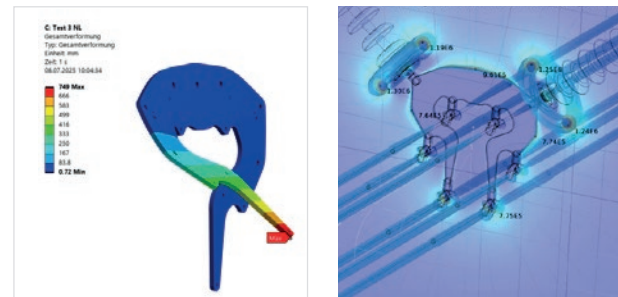


Our 765 kV solutions are based on successfully executed projects and established design references.

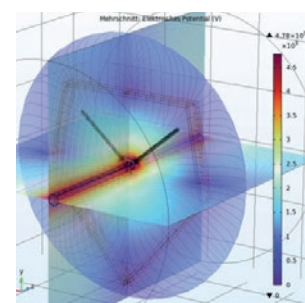
Mosdorfer applies detailed engineering analysis to ensure reliable performance:

- Electric field (E-field) simulations to evaluate field distribution and corona behavior
- Finite element analysis (FEA) of critical load-bearing components, including yoke plates, to verify mechanical strength and load capability

## Engineering depth and validation



## Adapted for the U.S. Market



All hardware solutions have been adapted for the application in the United States:

- Use of imperial fasteners and interfaces
- Compliance with applicable U.S. standards
- Fully imperial-based drawings and technical documentation

With a complete portfolio of 765-kV hardware, proven EHV references, and robust in-house engineering capabilities, Mosdorfer provides reliable, well-validated solutions for current and future transmission projects.



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# ENERGY TRANSMISSION

PIONEERING SUSTAINABLE SOLUTIONS

# SYSTEMS

# LONGSTANDING KNOWLEDGE

SOLVING TRANSMISSION CHALLENGES

# EXTENSIVE EXPERIENCE

IN 765 KV SOLUTIONS

# EXPERTISE

For 76 years, Mosdorfer has specialised in the development and manufacture of fittings for overhead transmission lines (OHTL). The history of the family-owned company, based in Austria, even goes back three centuries. Since then, designing and forging durable products has been our core competence. Our product range today includes complete hardware for OHTL strings, OPGW sets, earth wire sets and motion control devices.

## OHTL Strings

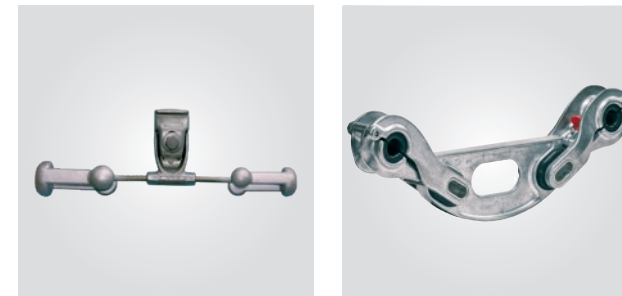


We are an industry leader operating in more than 100 countries worldwide. Our modern facilities produce a full range of products, totalling 8,000 tonnes per annum. Committed to excellence, we carry out extensive mechanical and electrical testing to ensure the highest product quality and reliability. As proud members of the CIGRE B2 Committee, we are actively involved in shaping industry standards and best practice.

We offer complete string hardware for voltage levels from 1 to 800 kV, including AC and DC systems for all types of insulators (glass, composite, ceramic).

- Hot Line Fittings
- Equipment for all standard ACSR, AAC, AAAC and high temperature fittings (ACCC and others)
- Steel fittings for low temperature environments (min. energy absorption 20 ft-lb at -4 °F (27)/-20 °C))
- Special solutions e.g. long span "cross river" clamps
- Variety of tension clamps: compression dead end, bolted (strain) dead end, wedge type, spiral dead end and suspension clamps (corona free, with or without armor rods, trunnion or envelope type, helical suspension unit clamp)
- Designs meet critical electrical parameters, including corona/RIV, flashover voltages, short-circuit currents
- Comply with international standards such as ASTM, IEC, ANSI and other relevant industry standards

## Motion control products



Our Damp products prevent both aeolian and galloping vibration and are available for various conductor bundle configurations.

- Stockbridge dampers, symmetrical (2R) and asymmetrical (4R) for phase conductors, HT conductors, OPGW and earth wires (EW)
- Rigid and semi-rigid spacers for twin, triple, quad and other conductor bundle configurations
- Spacer dampers to prevent aeolian vibration. Available for various conductor bundle configurations, rubber cushion clamps, metal to metal clamps, bolted and nutcracker types
- Vibration expertise, damping studies based on special software developed in collaboration with university vibration experts (Politecnico di Milano, Italy)

## OPGW and Earth wire sets



We offer complete suspension and tension sets for OPGW and various earth wire types.

- Covers diameters of OPGW and EW from 0.275" upwards
- Matching Stockbridge dampers available

*"Rely on our 76 years of experience and our expertise in overhead transmission line systems. We solve the challenges of energy transmission."*

As a globally recognized supplier of extra-high-voltage transmission line hardware, we have extensive experience with 765 kV applications. We combine proven reference projects, comprehensive product coverage, and in-house engineering expertise to support demanding EHV transmission systems. Our experience and references span from Canada and South America to Hungary and Romania.

## Comprehensive 765 kV portfolio

Our V-suspension string designs have demonstrated positive corona and RIV tests, confirming the electrical performance level of our EHV hardware designs.

We provide a broad range of hardware solutions for 765 kV transmission lines, covering all major application areas.

- Suspension and tension hardware assemblies
- Yoke plates, clevises, shackles, and specialized EHV fittings
- Spacer dampers for 765 kV bundled conductors, available in all standard configurations

This portfolio enables us to support complete 765 kV line designs with consistent technical quality.

