Connecting weak or unstable grids
- Control load flow and provide reactive power
- Decouple grids regardless of frequency, voltage and quality

Bridge the distance
- Install compact cost-efficient medium-voltage DC connections via cable or compact OHLs
- CO₂ Reduction, e.g. by reducing diesel generators

Increase power infeed
- Enable greater power transfer in existing infrastructures
- Improve grid stability with STATCOM functionality

Reduce footprint
- MV level allows lower lines below treetops
- MV lines with smaller corridors and wood poles or simple structures

Obtain transmission autonomy in power ranges up to 150MW
- Establish direct MVDC transmission links and additional grid nodes

Challenging climate goals, a growing number of volatile renewables and their integration confront networks with new tasks and new approaches to manage existing infrastructures. With the MVDC PLUS® you have the possibility to integrate the advantages of Direct Current in AC grids to enable load flow control.

Abbreviations: AC Alternating Current, DC Direct Current, MV Medium Voltage, OHL Overhead Line