HEITKAMP
Energy Infra GmbH

Sustainable aspects of the E-POWER PIPE® method

What is the E-POWER PIPE® method?

- Modern trenchless method for laying underground cables.
- Minimising impact on the landscape and reducing the consumption of resources.
- Minimisation of environmental impact and disruption to the population.
- Efficient and cost-saving trenchless construction method as an alternative to open construction methods or conventional closed construction methods.
- Innovative and sustainable method for the expansion of high-voltage direct current (HVDC) transmission grids.

Ecological aspects

approx. 90% less earthmoving[1]	**Approx. 90% less exhaust emissions[1]**
Thanks to less earthworks, the impact on flora and fauna is reduced and the environment is protected.	The process reduces emissions and air pollution.

Economic aspects

approx. 65% fewer transports[1]	**approx. 45% less building material & construction materials[1]**
The reduced need for transport leads to lower costs.	Optimised cable spacing reduces costs due to lower material requirements.

Social aspects

approx. 75% less utilised area[1]	**Significant relief for the population**
Reduced space requirement minimises impact on inhabited and used areas.	Significantly lower noise emissions and the reduced risk of accidents improve well-being and protect the environment.

[1]The calculation is based on a comparison between the open construction method and the E-POWER PIPE® method for a 1000 metre long cable route with four cables.