STREICHER

UNDERGROUND POWER LINES

TRENCH SLEDGE

for underground installation of cables and cable conduits

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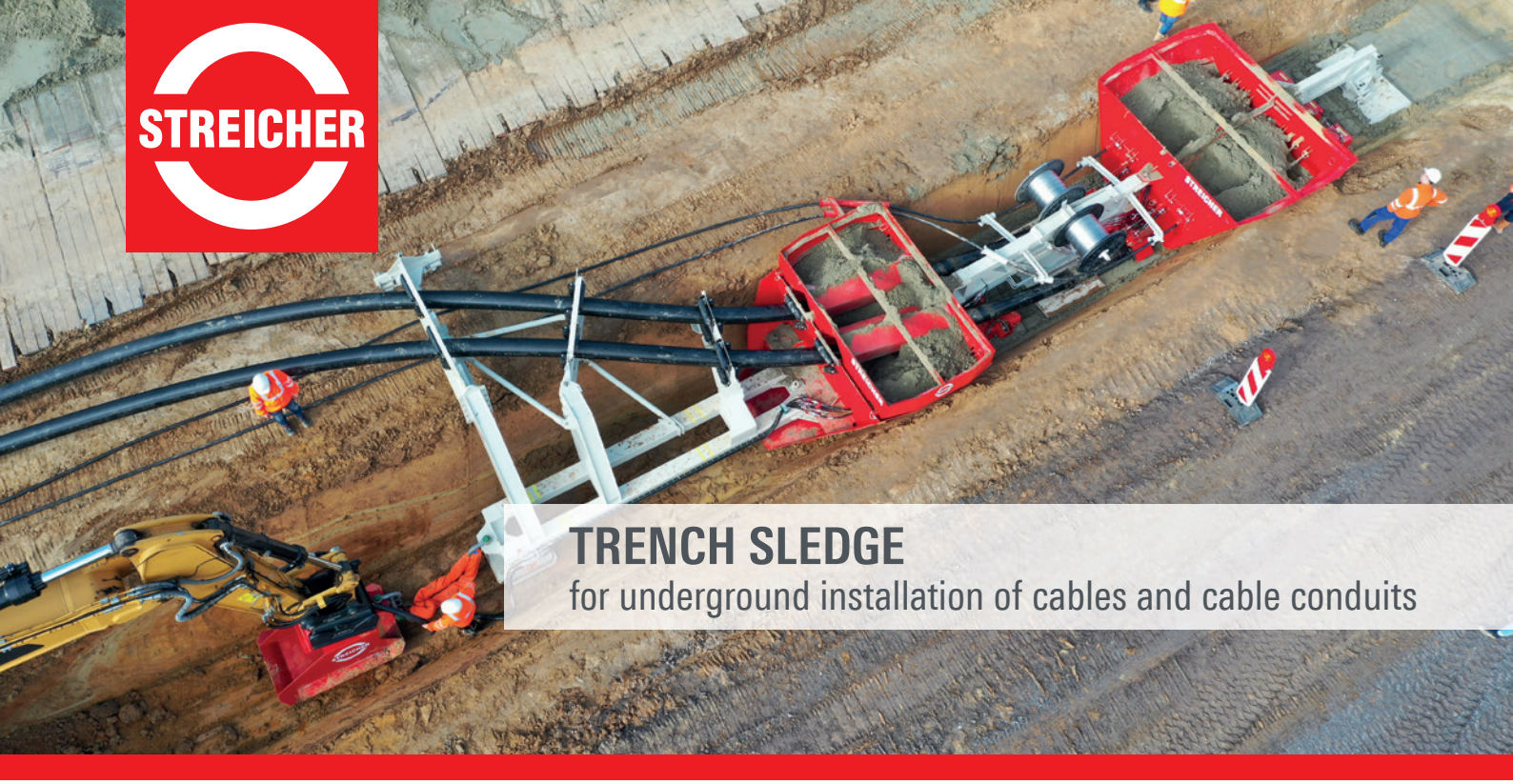


TRENCH SLEDGE

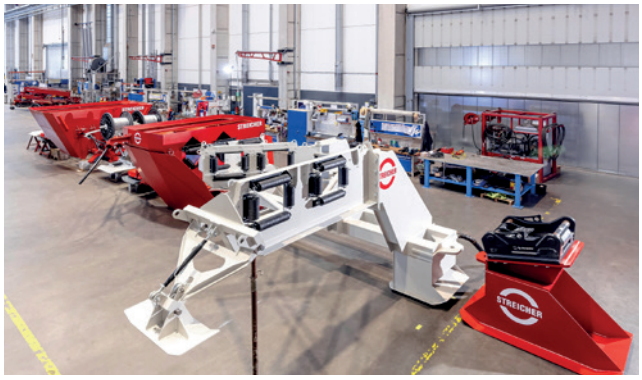
for underground installation of cables and cable conduits

Client: 50Hertz Transmission GmbH

Within the expansion of the German high voltage direct current network and on behalf of 50 Hertz Transmission GmbH MAX STREICHER GmbH & Co. KG aA was commissioned to develop **a prototype of a trench sledge for cable routing**. **Background of this project is to improve the current installation process for cables and cable conduits with regard to efficiency and laying precision.**

The first application in practice included the precise laying of two PE cable conduits (da 280 mm), two earthing ropes and two empty conduits for fibre-optic cables (da 50 mm) within one step. In the course of cable installation embedment material (material mix of fine gravel, sand, silt and clay) was filled into the trench and mechanically compressed in two stages by using the sledge. During the test a 50 t excavator pulled the trench sledge. This excavator also guaranteed the energy supply of the compactors of the trench sledge.

Project Details	
Client	50Hertz Transmission GmbH
Scope of work	Development and manufacturing of a trench sledge for underground installation of cables and cable conduits incl. subsequent test realisation
Length	22 m
Height	2.9 m
Weight	18.5 t
Trench bottom	1.7 m



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