

S T R A N D L I F T I N G
T E C H N O L O G Y



Project Report

Hamburg Langenfeld Bridge



BRIDGE DEMOLITION USING THE INCREMENTAL LAUNCHING METHOD

The Langenfeld Bridge is a motorway bridge of 7000 tons in weight. To keep the closing times short, the bridge was displaced by night by up to 12 meters and this part was demolished during the day. The Paul synchronized stroke control with four 800 kN strand lifting jacks was used for this application.



DATA	
Bridge weight:	7.000 t
Displacement distance:	135 m
Realization period:	May until July 2017
Executing company:	Thyssenkrupp Infrastructure GmbH

PAUL STRAND LIFTING TECHNOLOGY USED	
Strand lifting jacks:	4 x PDH-080
Hydraulic units:	4 x PDP-16
Max. displacement force:	4 x 800 kN
Control system:	Paul synchronized stroke control

PAUL STRAND LIFTING TECHNOLOGY ON YOUTUBE:
[stressing-channel.paul.eu](https://www.youtube.com/channel/stressing-channel.paul.eu)

