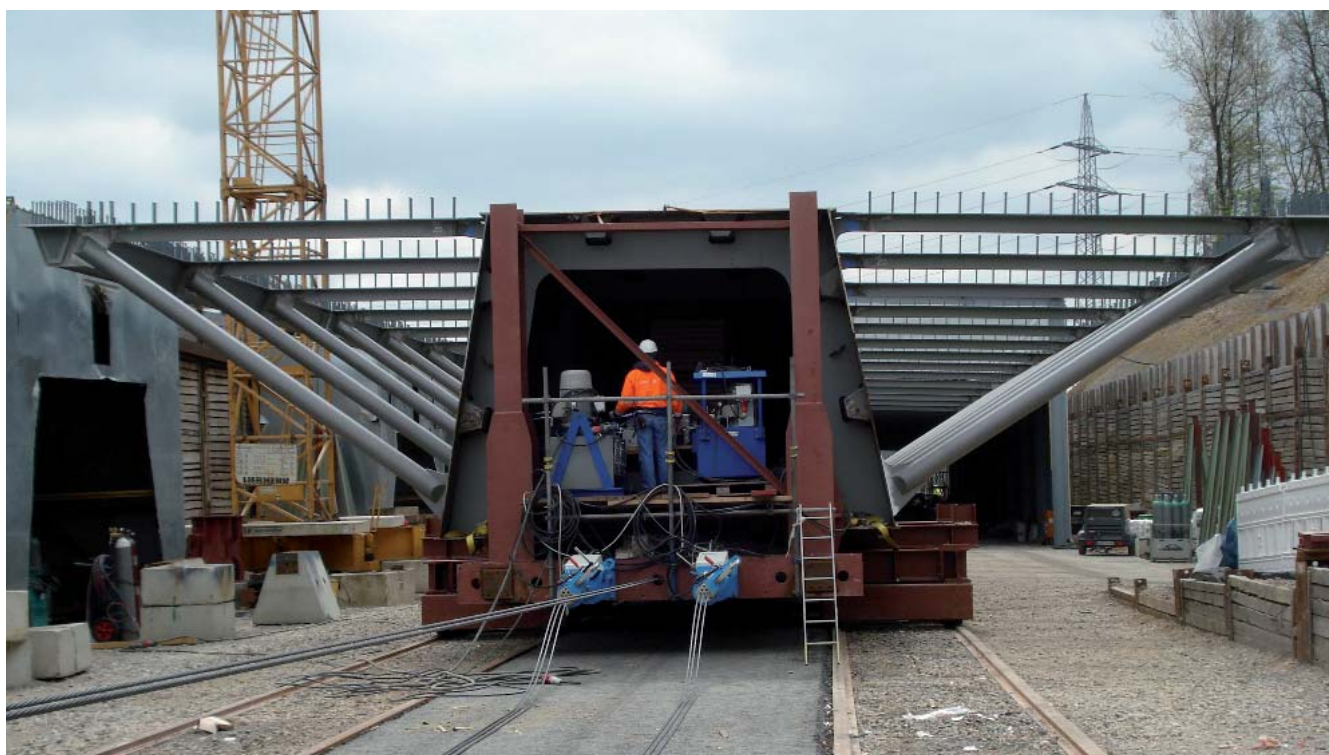


S T R A N D L I F T I N G  
T E C H N O L O G Y



Project Report

# Bridge Displacement Lennetal



# BRIDGE DISPLACEMENT WITH DOWNWARD SLOPE

Three 800 kN strand lifting jacks with hydraulically actuated grips were used for displacement of the enclosed steel box girder with lateral struts near Hagen in Germany. Due to a downward slope of 2 – 2.5% a brake cylinder was used as well in addition to two pulling cylinders.

DATA	
Bridge span:	979.5 m over 14 segments
Realization date:	August 2015
Executing company:	Thyssenkrupp Infrastruktur GmbH

PAUL STRAND LIFTING TECHNOLOGY USED	
Strand lifting jacks:	3 x PDH-080
Max. displacement force:	2 x 800 kN
Max. brake force:	1 x 800 kN



2 pulling cylinders



1 brake cylinder

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

