



**37TH INTERNATIONAL
NO - DIG
FLORENCE 2019**

Fortezza da Basso • FLORENCE (Italy)

30th September • 2nd October 2019

**HDD Marsdiep
crossing between Den Helder and Texel, Length = 4.600 m**

**Dipl.-Ing. (FH) Ernst Fengler
LMR Drilling GmbH
Oldenburg**

project
tender
offer
planning
performance
future perspectives

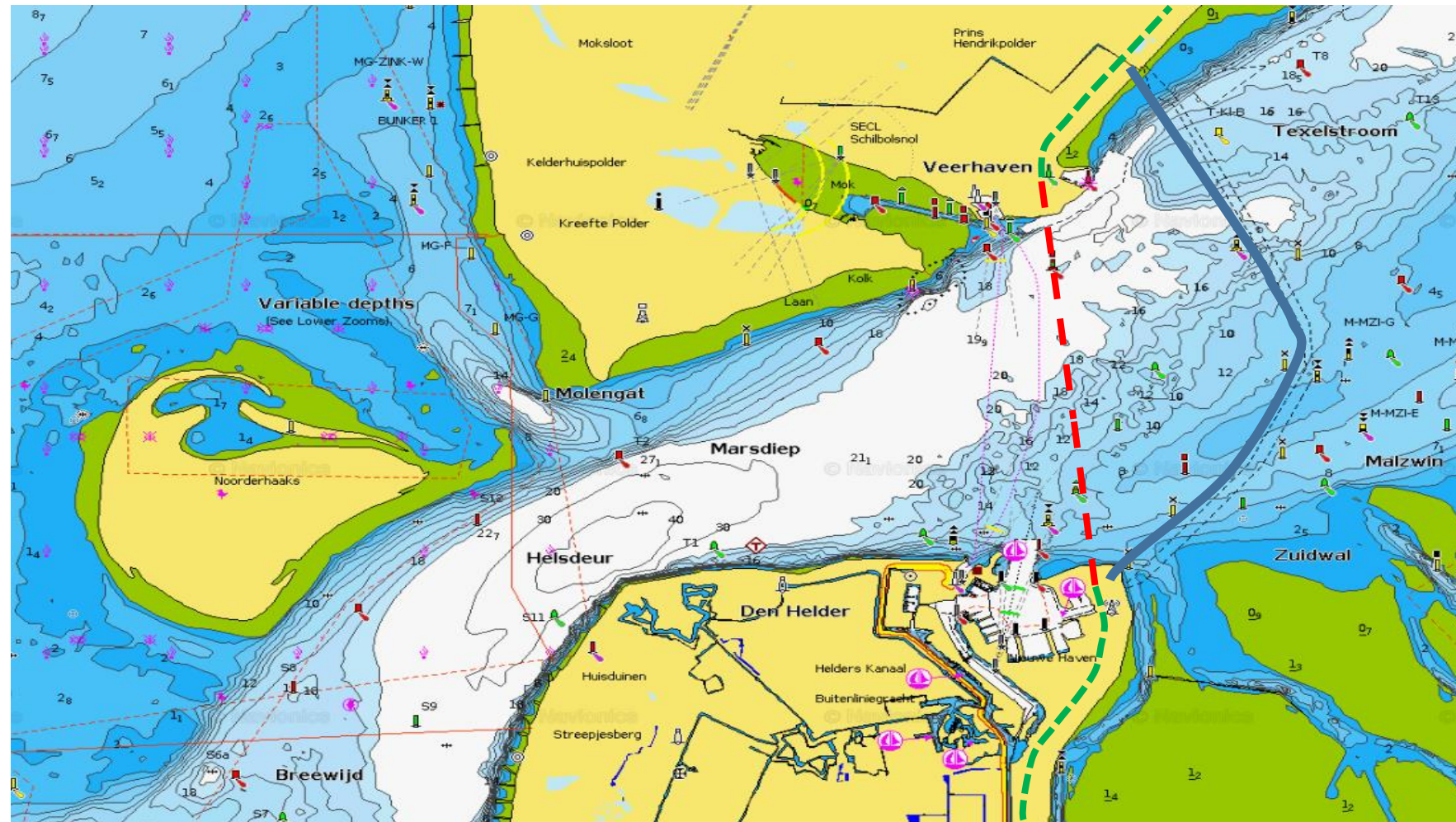
Structure:

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These services were advertised:

- engineering
 - dimensioning of the product pipe
 - choice of pipe isolation and field joint coating
 - obtaining permits and authorizations for the project
- procurement of the incorporated pipes
- whole soil and pipeline constructions until the integration
- the line installation over 4600 m with HDD procedure

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LMR offer:

Installation water pipe DN 300

tubing data

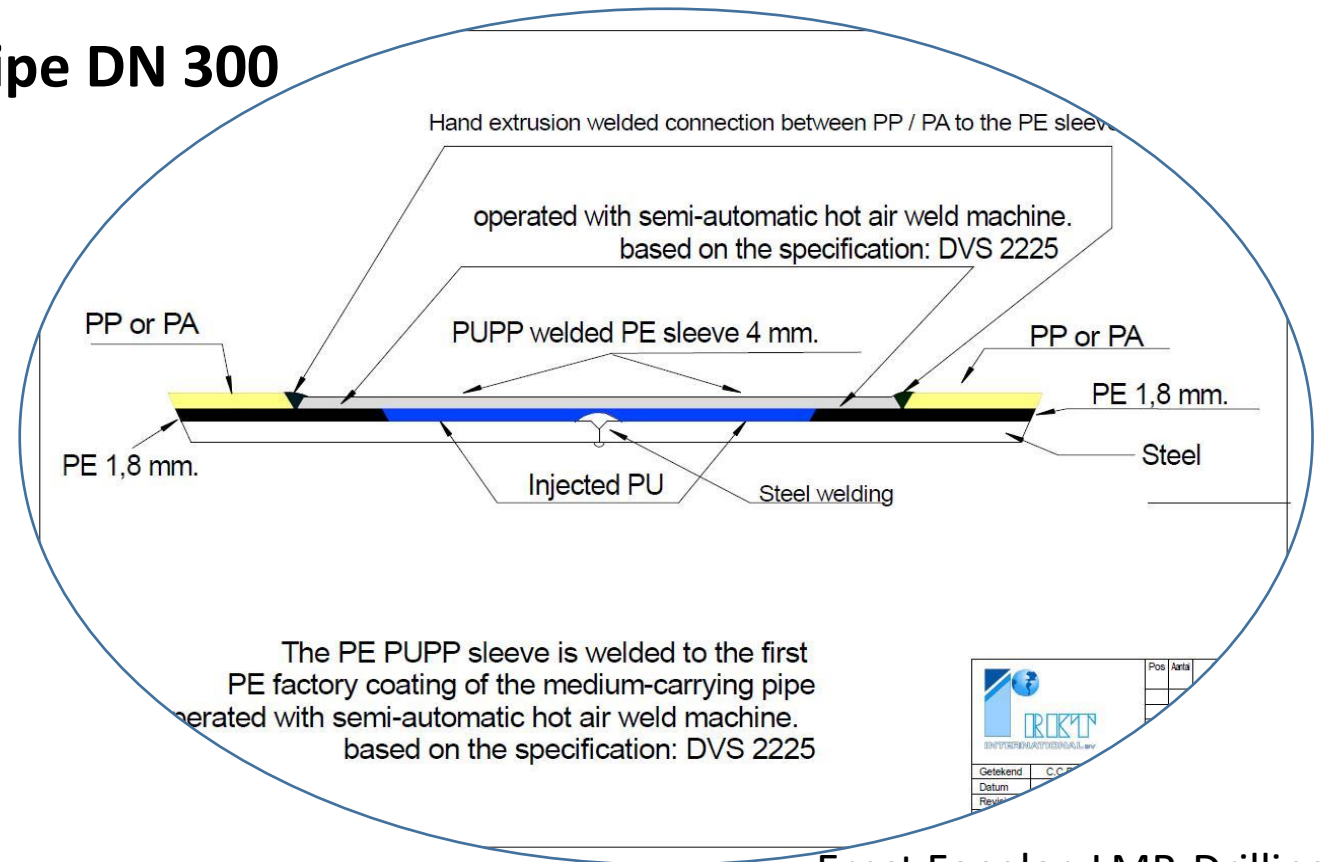
dimension:

steel quality:

inner lining:

factory isolation:

welding isolation:



Essential steps of LMR's drilling program:

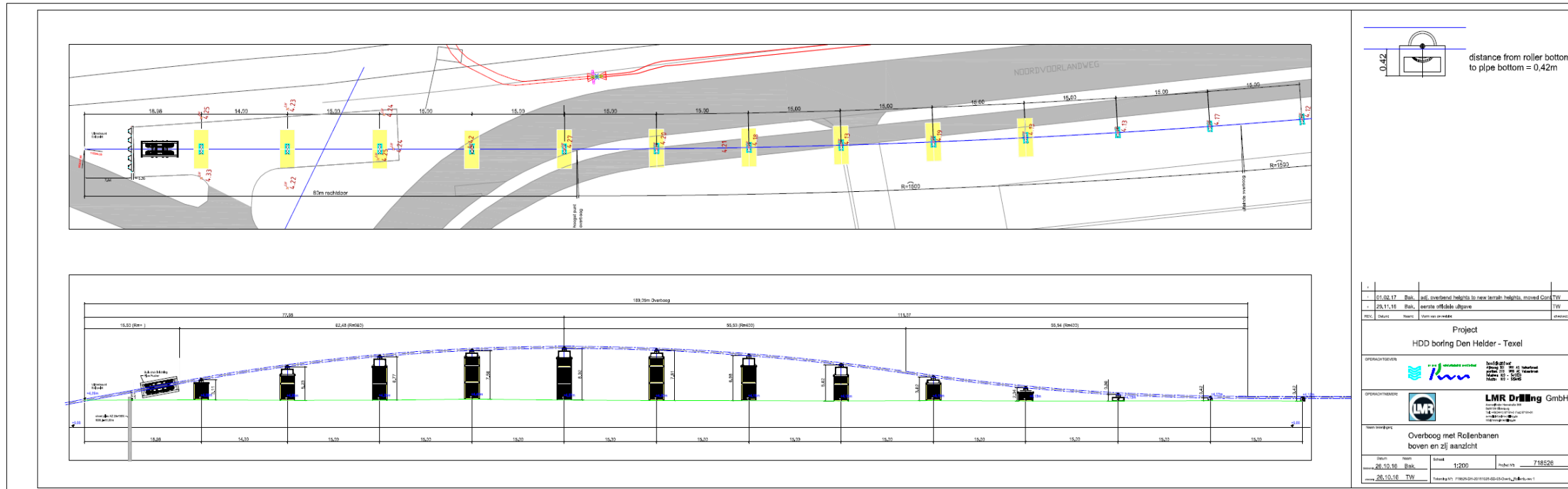
- pipe construction on mainland
- DN 800 Casing on both sides
- LMR 350 to Rig on Texel
- LMR 250 to Rig in Den Helder
- intersect with Gyro & Radar
- reaming of pilot bore hole /reaming of bore hole to 19"
- pipe installation of 3 pipe string segments with 2 golden joints

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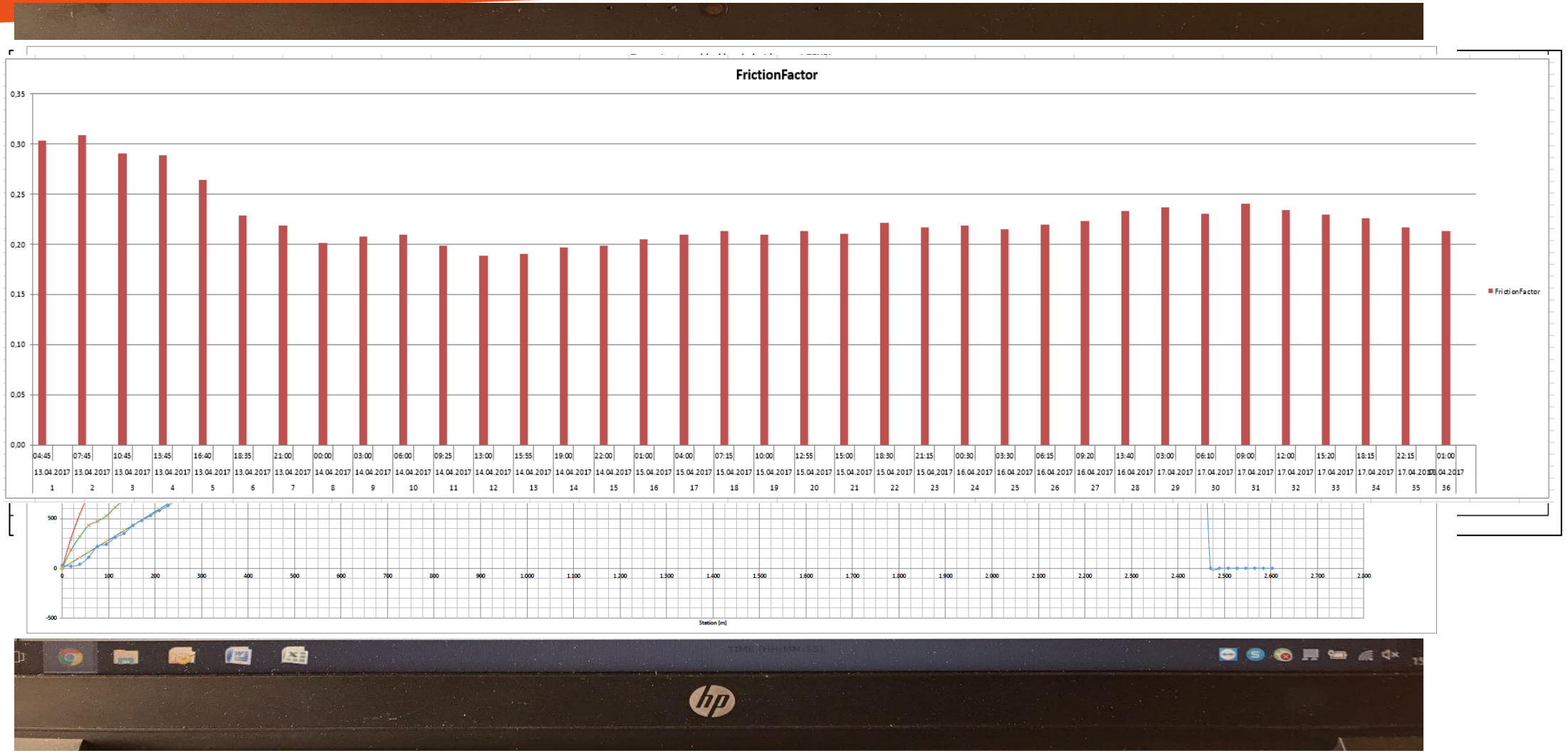
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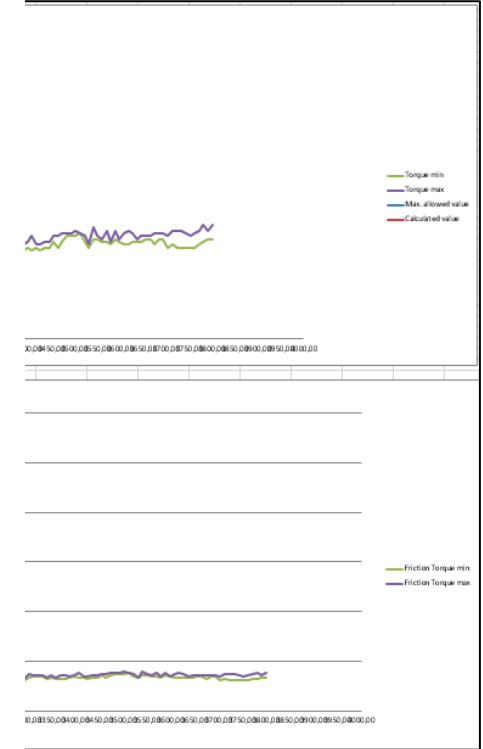
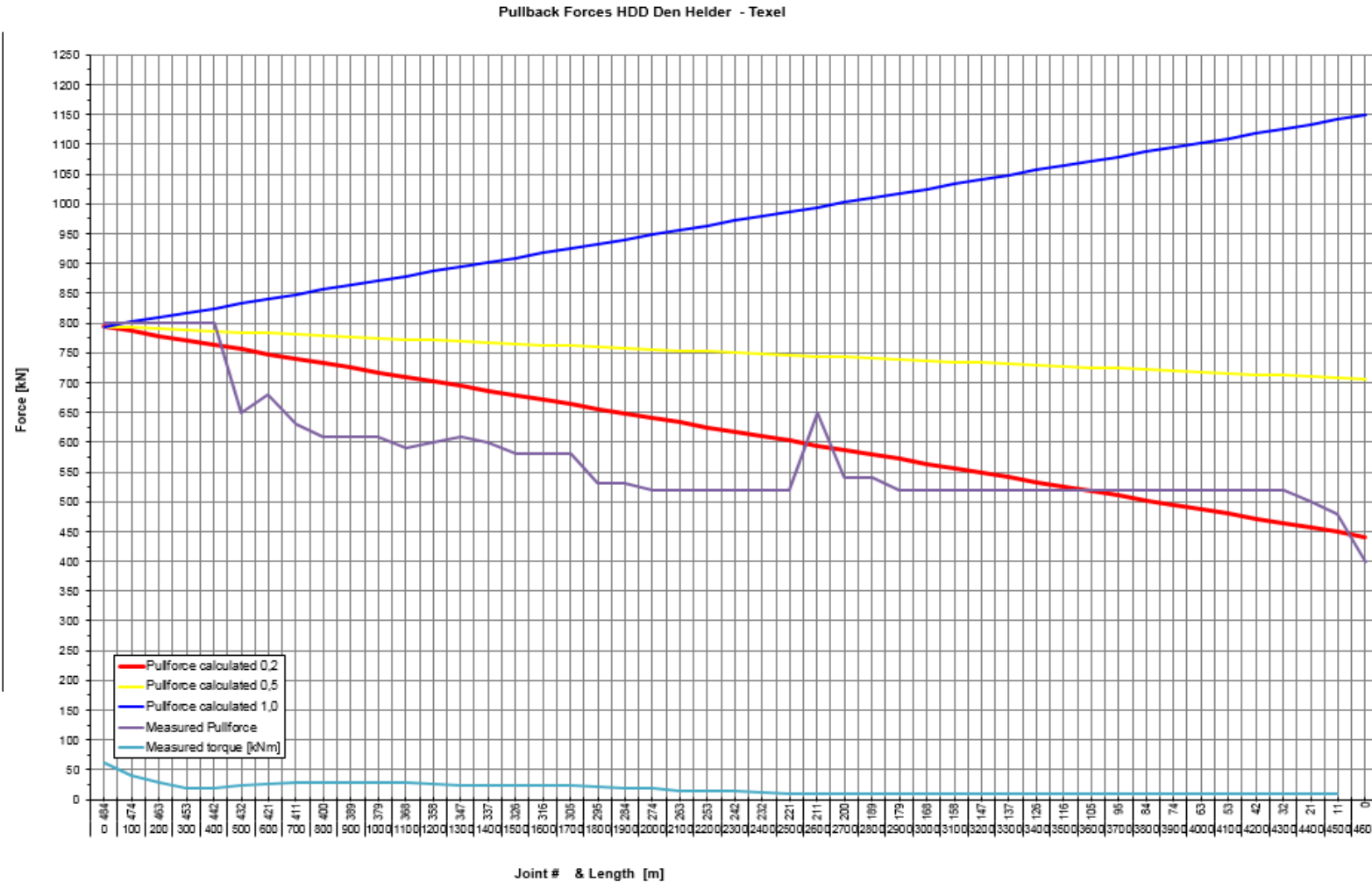
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