



# UK Power Networks

## HS2 OOC Atlas Road

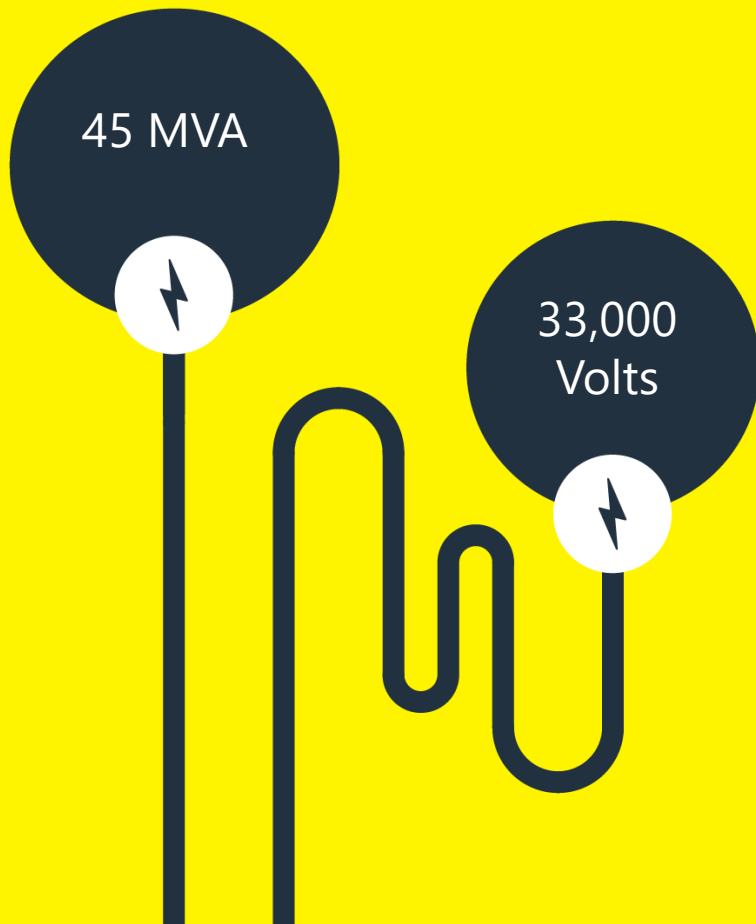


# Contents

- Our Purpose
- Our Route
- Progress
- Key Dates



# Our Purpose...



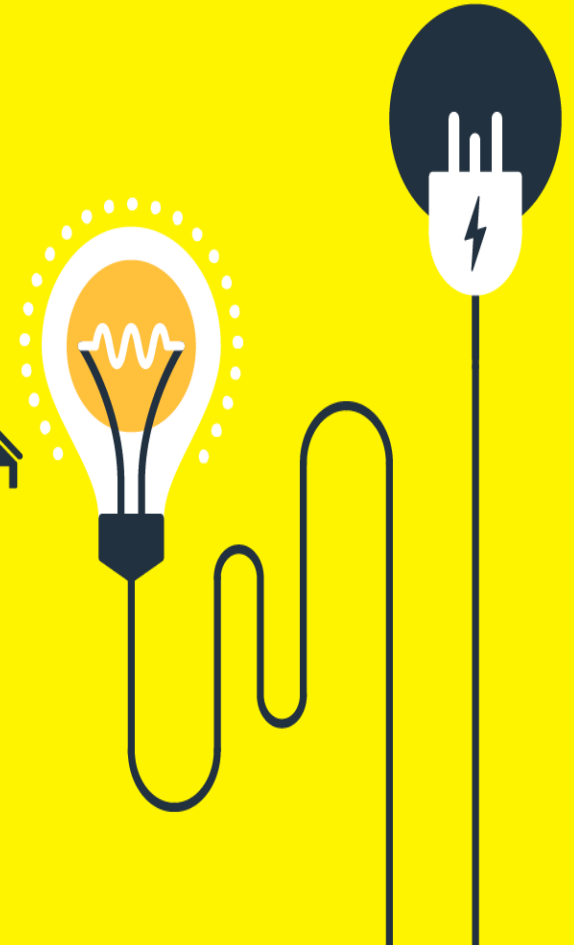
UKPN are providing HS2 with 45MVA electricity supply to facilitate the construction of the new railway.

To supply HS2 with its new supply. UK Power Networks will be installing 3 new high voltage cable circuits approximately 3.0km...

0.6km of this route will be a horizontal directional drill to our new substation in Old Oak Common

As a comparison 1MVA would be able to  
power 250 domestic homes...

**= Over 11,000 homes**



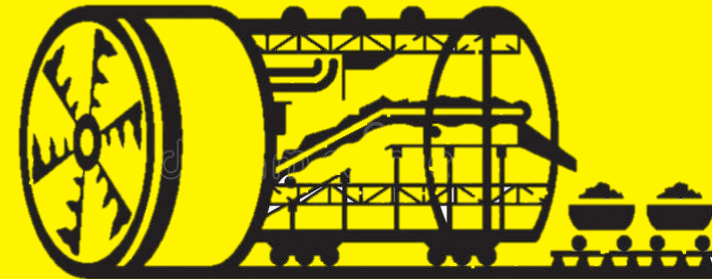


These 3 circuits are running parallel for approx. 410m with the Grand Union Canal

Passing under two Network Rail bridges



To our new Substation before it reaches our customer



CONVEYOR BELT BRIDGE  
SHOWN INDICATIVE

BOX BRIDGE RAIL  
CROSSING  
VIADUCT ARCH  
APPROXIMATE  
OPEN EXTENT

END OF CURVE

UTX SECTION BY HDD IN  
ABSENCE AND SUBJECT  
TO NETWORK RAIL  
APPROVAL

Grand Union Canal  
Puddington Branch

SLURRY PIT  
2.5m x 2.5m x 1.2m

HDD DRIVE LOCATION  
WORKING AREA.  
INDICATIVE AND SUBJECT  
TO WAYLEAVE.

DOUBLE RADIi SUBJECT  
TO DETAILED DESIGN  
NETWORK RAIL E.L.R. - TBC

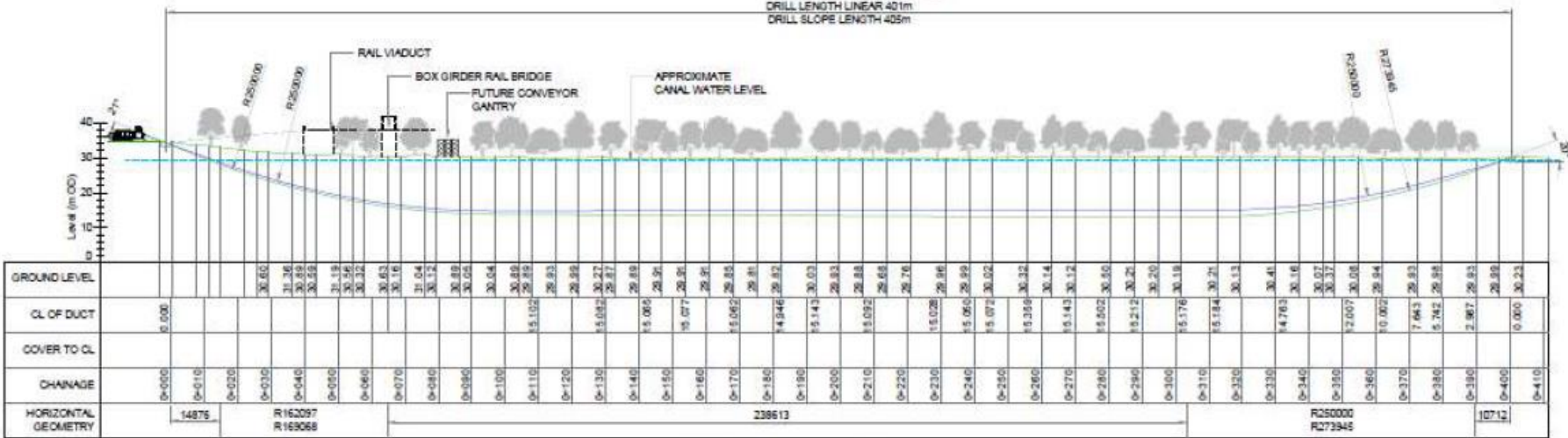
HDD DIA 650 DRILL  
CIRCUIT 1 AND 2

RECEPTION SLURRY PIT  
2.5m x 2.5m x 1.2m

HDD RECEPTION WORK AREA  
UPPER AND LOWER LEVEL  
SUBJECT TO WAYLEAVE

HDD PLAN  
SCALE 1:500

DRILL LENGTH LINEAR 401m  
DRILL SLOPE LENGTH 405m



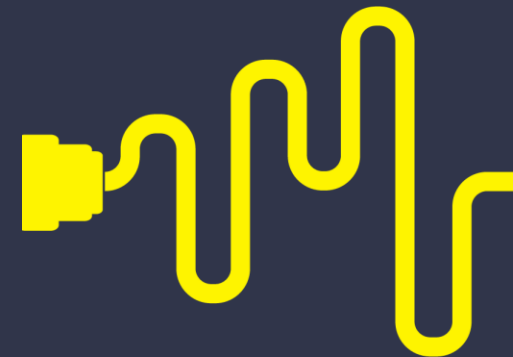


# Progress...

- Atlas Road Substation commenced construction in 2019, all construction works, fit out and commissioning is now complete with only external landscaping being concluded
- Utilising UKPN's existing cable tunnel and the first successful HDD duct we have now completed 1 circuit to Atlas Road substation with energisation on programme to be completed in February
- HDD drilling works commenced in July and were put on hold in August due to unexpected movement on Network Rails assets due to a unknown ground obstruction
- We have carried out additional probing works in order to confirm a safe route through the underground obstruction
- This re-design has been currently been submitted Network Rail for their approvals

<b>Activity</b>	<b>Date</b>
Completion of probing works	10 <sup>th</sup> December 2020
Network Rail Track rectification works completed	31 <sup>st</sup> January 2021
Network Rail Approvals Received	19 <sup>th</sup> February 2021
HDD works recommence	1 <sup>st</sup> March 2021
HDD works concluded	27 <sup>th</sup> March 2021
Demobilisation and reinstatement	TBC

...Key Dates





Any Questions?





Thank you

