



### LONDON POWER TUNNELS (LPT1) CABLE DECOMMISSIONING WORKS St John's Wood - Willesden FF

<b>Client</b>	National Grid Electricity Transmission
<b>Project &amp; Location</b>	London Power Tunnels 1 (LPT1) Cable Decommissioning Works
<b>Duration</b>	Mobilisation: October 2019 Start: November 2020 Completion: April 2022
<b>Infrastructure Requirement</b>	Asset Removal & Decommissioning
<b>Scope of Works</b>	<ul style="list-style-type: none"> <li>TWD, civils &amp; reinstatement</li> <li>Removal of 275kV fluid filled cables &amp; ancillary equipment</li> <li>Dismantle &amp; disposal of cable management infrastructure</li> <li>Demolition of cooling stations</li> </ul>

## PROJECT OVERVIEW

OCU Group (incorporating O'Connor Utilities and Instalcom Limited) has been awarded a high profile contract to decommission existing cables that form part of the London Power Tunnels 1 (LPT1) cable network. The scope of works includes 3 routes of 275kV fluid filled cable systems and associated infrastructure with a total route length of approx 44km. The decommissioning scheme runs through densely urban areas of London, predominantly under highways, a canal towpath (c.8km), few parkland areas and multiple third party land. The cable routes to be decommissioned are:-

Circuit	Description	Route Length
St John's Wood - Willesden (SJOW-WISD)	Double Circuit	7km

The purpose of the decommissioning scheme is to remove the cables from the system as they form a significant part of National Grid's NOM's cable target and therefore need to be removed within the RIIO-T1 Period.

## DELIVERY & INNOVATION

- OCU appointed as Principal Contractor
- OCU to develop project Design Intent Document (DiD)
- OCU innovative methodology for removal of cables within canal towpath
- OCU adopting a collaborative approach in working with National Grid
- OCU to implement safety behavioural programme initiative 'Mindset'
- OCU developed innovative cable drum handling unit upon barges, to safely wind the cable out of the canal towpath and onto a barge for environmentally safe removal from site.

## KEY CHALLENGES

- Programme & outage dates
- Interface with multiple stakeholders including:-
  - Local Authorities
  - Canal & Rivers Trust
  - UK Power Networks
  - Other Utility Providers
  - Private Landowners
  - Local Residents & Businesses
  - Emergency Services
  - Schools, Colleges & Universities
- Safe handling & disposal of fluid filled cables & associated equipment



# LONDON POWER TUNNELS 1 (LPT1)

O'Connor Utilities Ltd  
Instalcom Ltd

## PROJECT KPIs

- Achieve ZERO harm
- No Environmental incidents
- Full compliance with Technical Specifications and high quality engineering
- Compliance with Programme milestone dates
- Proactive communications with stakeholders and third parties that results in positive interactions and outcomes
- To exceed Customer Care expectations
- Execute the works leading to positive brand promotion of National Grid
- Implement common protocols to enhance OCU / National Grid relationship



## CONTACT US

Want to know more about the OCU infrastructure service offering in the following sectors:-

- Power
- Water
- Telecoms
- Rail
- Gas
- Multi-Utilities
- Trenchless Installations

Contact us at:-

O'Connor Utilities Ltd  
Unit 10 Sandfold Lane  
Levenshulme  
Manchester M19 3BJ  
T: 0161 248 9922  
enquiries@ocultd.co.uk  
www.ocu.co.uk



Delivering Today for Tomorrow

