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| <b>Client</b>                     | National Grid Electricity Transmission   |
| <b>Project &amp; Location</b>     | London Power Tunnels 1 (LPT1)<br>Cable Decommissioning Works   |
| <b>Duration</b>                   | Mobilisation: October 2019<br>Start: January 2020<br>Completion: January 2021  |
| <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

Instalcom 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 - Tottenham (SJOW-TOTT) | Double Circuit | 16km         |
| St John's Wood - Willesden (SJOW-WISD) | Double Circuit | 7km          |
| Willesden - Wimbledon (WISD-WIMB)      | Single Circuit | 21km         |

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

- Instalcom appointed as Principal Contractor
- Instalcom to develop project Design Intent Document (DiD)
- Instalcom innovative methodology for removal of cables within canal towpath
- Instalcom adopting a collaborative approach in working with National Grid
- Instalcom to implement safety behavioural programme initiative 'Mindset'
- Instalcom engaged specialist Supply Chain partner for support in the removal and processing of Chromium that is present within cooling water on SJOW-TOTT & potentially the WISD-WIMB routes

## KEY CHALLENGES

- Programme & outage dates
- Interface with multiple stakeholders including:-
  - Local Authorities
  - Canal & Rivers Trust
  - Network Rail
  - 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)

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 Instalcom / National Grid relationship



## CONTACT US

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

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

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