

# Case Study | Atlas Road Substation



"Well done to the team, they should all be extremely proud of themselves and have represented Clancy in a great light on the government funded HS2 project".

Niall Byrne, Contract Manager

## Background

Under the UKPN ED1SON Alliance, Clancy were asked to construct a new 33/11kV substation at Atlas Road. This project was the first to be undertaken by the Alliance for the UK's biggest project, HS2. The three-transformer substation and elevated switch house were designed to provide power for HS2's tunnel boring machines which will pave the way for tunnels from London Old Oak Common towards the midlands.

## Solution

As Principal Constructor, Clancy were responsible for constructing a steel frame and low carbon concrete construction switch house with piles foundations, as well as three outdoor 33kV transformers. The 16 panel, 11kV switchboard is energised by the Leicester Square substation via two 33kV cable circuits, which Clancy installed between Willesden Grid substation and Atlas Road substation. The complicated route involved numerous directional drills underneath canals and various Network Rail track lines, with a tricky cable install between Atlas Road and Brentfield including tunnel and culvert working.

## Benefit

The project was delivered to a high specification with excellent H&S records and scores from the Considerate Constructors Scheme, and a personal commendation from HS2 CEO, Mark Thurston following a site visit from the HS2 executive team. This is despite the challenging environmental distractions of the project. The high levels of teamwork demonstrated by the entire team in addition to proactive planning around COVID-19 restrictions was vital to a strong delivery and highly successfully project.

