

# Discovery Park HV Installation

## Best Practice Case Study



### Project Data

**Client :** Discovery Park

**Location :** Sandwich , Kent

**Main Contractor :** ISS

**Completed :** 2020

### Project Overview

The development, Discovery Park, is primarily a hub for science and technology based activities and is now introducing new retail and leisure amenities to the area to improve the welfare facilities for its tenants and the local area. The first phase of this expansion includes a hotel with EV charging facilities, a petrol station and a drive through coffee shop. As all electrical power on site is delivered via a private network it was decided to expand an existing circuit to meet the new power demands. A new substation was required to be constructed to accommodate this expansion .

### Scope Of Work

Two new HV cables were installed from the Pfizer main building to the new substation installed by NCCT. The works involved digging an open trench some 150 metres in length through Discovery Park including two under road crossings, clearing out blocked existing ducts required for the cable pull, installing an expansive steelwork support system within the basement of the building. The two HV cables were then pulled through the new route using a combination of mechanical winches and rollers. The HV cables were then connected and terminated onto the newly placed transformer and commissioned . Upon completion the areas were then reinstated and landscaped.

The works were completed on time and budget .

