

### PROJECT

BURBO BANK  
SUBSTATION

### CLIENT

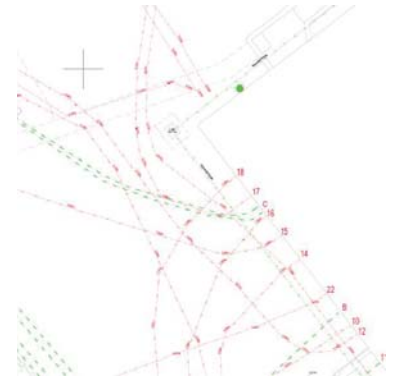
IBERDROLA

### PROJECT TYPE

EML  
GPR SURVEY  
RTK GPS  
ROBOTIC TOTAL STATION

### PROJECT OVERVIEW

AS PART OF A PROPOSED UPGRADE TO WALLASEY GRID SUBSTATION TO SUPPORT THE INTEGRATION OF THE BURBO BANK WINDFARM. THE CLIENT REQUIRED THAT ALL SERVICES WITHIN THE SUBSTATION BOUNDARY BE SURVEYED TO PROVIDE AN OVERVIEW OF THE SERVICES AND THEIR DEPTHS. THIS WOULD ALLOW THEM TO DESIGN THE NEW EQUIPMENT LOCATION AND PLAN ANY SERVICE DIVERSIONS AS REQUIRED.



### PROJECT HIGHLIGHTS

THE COMPLEXITY OF THE SITE MEANT THAT EXTRA CARE HAD TO BE TAKEN TO ENSURE THAT EACH SERVICE WAS TRACKED WITH MINIMAL INTERFERENCE FROM THE SURROUNDINGS. DURING THIS PROCESS A NUMBER OF CABLES WERE IDENTIFIED AS REDUNDANT, THESE FINDINGS WERE NOTED IN THE UTILITY REPORT PROVIDED TO THE CLIENT.

### REAL TIME KINEMATIC (RTK) GPS SURVEY

ASSETS WERE MAPPED IN THE FIELD USING GNSS & TS AND THEN COMBINED WITH EXISTING DIGITAL DATA SOURCES TO CREATE A SEAMLESS UTILITY DRAWING.

### QUALITY ASSURANCE

A STRICT QUALITY PROCEDURE WAS PUT IN PLACE TO MAKE SURE THAT THEY WERE PICKED UP ON SITE.

