

SPECIALIST PILING TAKE ON TWO PHASED PROJECT FOR GATWICK AIRPORT STATION UPGRADE

Our Specialist Piling Team is helping to meet the ever-increasing demands of Gatwick Airport, supporting major upgrades to its rail station capacity.

Split into four areas and two phases, this challenging project (working for Costain, Network Rail and Gatwick Airport) has had to overcome the logistical challenges of working in a live and extremely busy station environment.

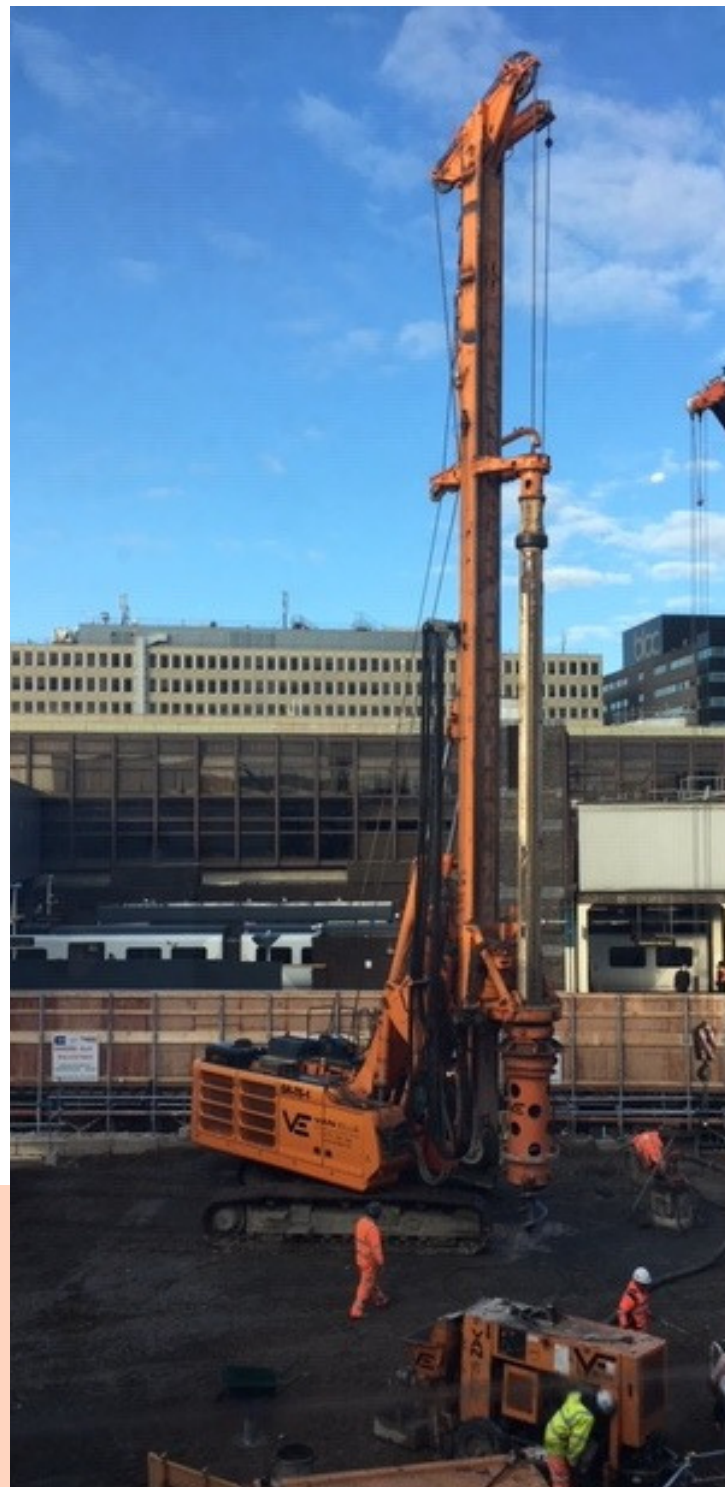
The first phase consisted of works adjacent to platform seven, area two which is known as back of house and area three which is platforms three and four.

During the second phase and the final area, we will undertake work as part of the new platform five and six upgrade, installing 68 No. 600mm diameter bored cast-in-situ piles. This will be done after demolishing a section of the existing platform.

The project has required careful collaboration from all areas of our business including our design team, ground investigation work from our Strata Geotechnics team and pile installation and testing.

"Thank you all for your exceptional performance through 2020 and the Christmas blockade. I know we can achieve great things together in 2021".

- Mark Howard, Project Director, Costain



OUR APPROACH

- VE** Area one, adjacent to platform seven works, consisted of one No. preliminary test pile, four piles for a tower crane, and 62 No. 600mm bearing piles. Bored cast-in-situ, ranging from 12m to 23m.
- VE** Area two, known as back of house consisted of 24 No. 450mm bored cast-in-situ piles up to 9m in depth for the new station building modifications.
- VE** The third area is platforms three and four. 16 No. 450mm bored cast-in-situ piles for the platform three and four upgrade (new lifts etc) which took place over the Christmas period as part of a successful 10-day blockade.
- VE** We used a variety of rigs throughout this project, including our Klemm 709, Hutte 205, Hutte 207, Soilmech 312 and Soilmech SR75 rigs.
- VE** Excellent client relations with Costain, Network Rail and Gatwick Airport.



PROJECT STATS



Circa £1.3m



**September 2020 -
February 2021**



Infrastructure



Gatwick