

## Case Study : Shuttleworth Road, Battersea

**Client:**  
Wates Construction

**Location:**  
Shuttleworth Road  
Battersea  
London  
SW11 3EA

**Sector:**  
Residential

**Project Value:**  
Circa £750k

**Completion Date:**  
March 2020

**Project Period:**  
6 Weeks

**Plant Utilised:**  
Giken F301 Silent Piler  
Giken ECO700S Silent Piler  
Excavator Mounted Movax  
Marchetti Roma 55T &  
Sennbogen 6100HD 100T  
Crawler Cranes



Photo taken from neighbouring tower block, Gaitskell Court

The Shuttleworth Road Scheme in the London Borough of Wandsworth is a housing development to provide 71 new residential units with associated car parking and amenities.

Using state-of-the-art eco-friendly Giken Silent Piling technology, 275 ArcelorMittal PU28 steel sheet piles in 12m lengths were installed vibration-free through dense gravels, alongside a live railway line, encompassed by a densely populated area. The purpose of the permanent retaining wall is to release valuable land for the development.

To overcome adverse ground conditions, we deployed two of our Giken Silent Pilers operating in Supercrush mode, where the ground is simultaneously pre-augered as piles are being pressed-in. Installation was supported by two Crawler Cranes supplied by AGD Equipment.

The Giken solution offered a silent and vibration-free piling technique, minimising the impact of the works on local residents and businesses. Work was also completed ahead of schedule.





Tight access: logistical planning was paramount, due to the densely built-up urban nature of the surrounding area with deliveries made by Ivor King Transport



Working from narrow gap between embankment and existing buildings - sheet piles pushed into position under crane body through tracks to allow pitching



Where restricted access and limited space is a factor, the Giken solution is ideal, as the machine is able to 'walk' over the top of the previously installed piles



Our two Giken Silent Pilers installing sheet piles vibration-free alongside a live railway line