



Zero Clearance Method



Zero Sheet Pile Press-in Method

Hard Ground Press-in Method

Narrow Access Method



Project Name	Cairo University Specialized Pediatric Hospital Outpatient Facility
Purpose of Project	Basement Retaining wall
Location	Cairo, EGYPT
Project Owner	Cairo University
Main Contractor	Dai Nippon Construction Ltd.
Piling Contractor	Giken Seko Co., Ltd.
Duration	August 2019 to September 2019
Press-in Machinery	Silent Piler SCU-ECO600S
Pile Section & Length	Zero pile, L=7.5-10.5m, n=146
Features & Remarks	-Potential negative impacts on existing adjacent structures from traditional methods as well as high ground water levels led to a change in design, utilizing Giken's Press-In method of sheet pile installation. -The Zero Clearance method allows piles to be installed on the border of the property so that the land utilisation is optimised.

