

Hot stuff

Jakarta monorail piles checked with TIP

Indonesian company Geotech Efathama has been using a Thermal Integrity Profiler (TIP), manufactured by Pile Dynamics, to evaluate the foundations of the Jakarta Eco Transportation (JET) Monorail project. JET is the first monorail project in Indonesia. It will run two lines covering 25 km and 27 stations.

The TIP uses the heat generated by curing concrete to evaluate the integrity of cast in-situ foundations.

TIP measures concrete temperatures during the curing process. It then evaluates the temperature with concrete volume to calculate concrete cover and cage alignment.

TIP can scan the entire cross section of a bored pile and then reveal if the reinforcing cage is misaligned and evaluate the thickness of the concrete cover. An important factor for contractors is that it can be used 24 to 48 hours after concrete pouring.

