NEW ACCESSORIES FOR ACIP AND CFA PILE INSTALLATION MONITORING

PILE DYNAMICS, Inc. has released new accessories and software for its Pile Installation Recorder (PIR). Debuting are the PIR Viewer and a new version of the PIRPLOT data processing and reporting software.

The Pile Installation Recorder is an automated monitoring equipment piece that records and displays grout volume versus depth, along with other parameters that aid in the installation of augered cast-in-place (ACIP) and continuous flight auger (CFA) piles. Even before its new enhancements, the PIR had won awards (Ohio New Product Award in 2000) and praise. Jason Matthew Crisp, Project Superintendent of HJ Foundation in Miami had the following to say in December 2011:

“Even though I have been installing auger cast piles for almost 20 years, there comes a time where I have to work in a region of the country which requires me to use local union help. My last project was in Syracuse, NY. We had to install 200 CFA piles of 16 inch diameter up to 80 feet deep. When you are working in NY, you need to use NY licensed operators. Qualified operators they were, but they lacked the technical knowledge needed to successfully drill and pull a CFA pile properly. Who steps in? Pile Dynamics with their PIR. With the new colour screen and simple user-friendly controls, my green operator was pumping piles out like a seasoned operator, making my job easier and more productive.”

The PIR Viewer will make Jason even more productive, as it is a handheld Wi-Fi device that allows a supervisor or inspector to see, in real time, the information that the PIR is displaying to the operator in the crane cab. This enables the supervisor to stop the crane operator sooner in case there is a concern. In the past, the pile had to be completed and a summary report generated before an inspector could review the installation details. The user of the PIR Viewer pushes a button to flag when grout return occurs, and may use a logging feature to manually count grout pump strokes. Once the pile has been completed this information may be compared to the PIR summary report. Post-processing with PIRPLOT generates quality tables and graphs that can be customised for presentation.

In addition to the PIR, Pile Dynamics produces several other quality assurance and quality control products for the deep foundations industry. Its products are recognised throughout the world as the ultimate solutions for the testing and monitoring of deep foundations. The company is based in Cleveland, Ohio, and has commercial representatives worldwide.

INFO

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The Pile Installation Recorder (PIR) and the PIR Viewer from Pile Dynamics, Inc.