



## **NEW ACCESSORIES FOR AUGERED CAST-IN-PLACE / 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 that records and displays grout volume versus depth, along with other parameters that help the construction 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: “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 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,” states Jason Matthew Crisp, project superintendent, HJ Foundation, Miami, FL, December 2011.

The PIR Viewer will make Matthew even more productive. 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



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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 summary report generated before an inspector could review the installation details. The user of the PIR Viewer pushes of a button to flag when grout return occurs, and a may use a logging feature to manually count grout pump strokes. Once the pile is completed this information may be compared to the PIR summary report. Post processing with PIRPLOT generates customizable presentation quality tables and graphs.

In addition to the PIR, Pile Dynamics produces several other quality assurance and quality control products for the deep foundations industry. Its products are recognized throughout the world as the ultimate solutions for testing and monitoring of deep foundations. The company is based in Cleveland, OH and has commercial representatives worldwide. For more information visit [www.pile.com](http://www.pile.com).