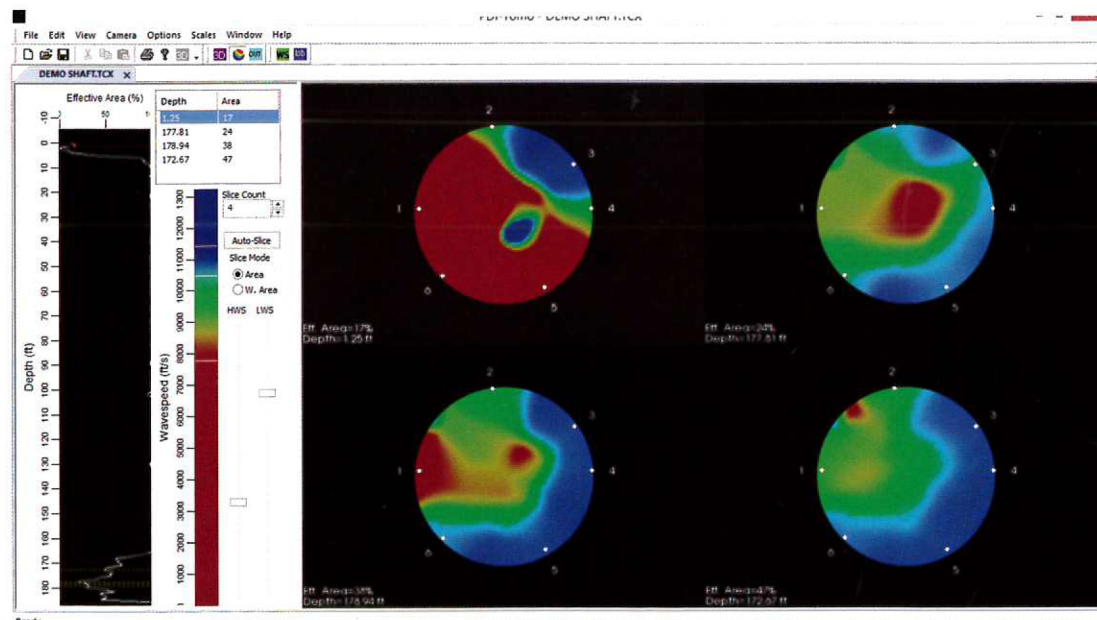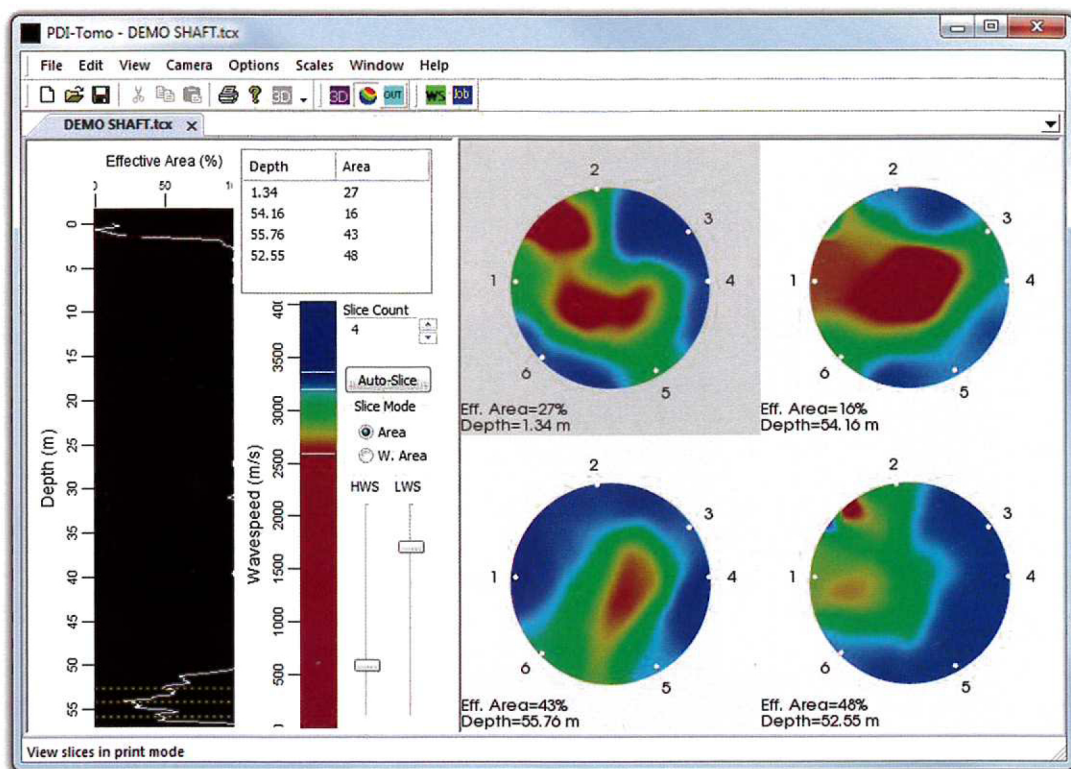# NEW PRODUCT NEWS CONTD.

New Tomography Software for Cross Hole Sonic Logging: PDI-Tomo

Pile Dynamics has released the new PDI-Tomo software for analysis of Crosshole Sonic Logging (CSL) data. The program replaces an older tomography program, with significant advantages.

Crosshole Sonic Logging evaluates the integrity of the concrete of drilled shafts and other bored or cast-in-place deep foundations. Ultrasonic transmitters and receivers are inserted in the foundation and an instrument such as the Pile Dynamics' brand CHAMP-XV collects the data. Its software CHA-W analyses the propagation of the waves emitted by the transmitters, indicating potential concrete problems.

Tomography Analysis with PDI-Tomo takes the examination many steps further, allowing a better estimate of the extent of

irregularities or defects. It combines arrival time data from the scans of all pairs of tubes, analyses the data and displays it in various views.

Once CSL testing is complete and data is processed, the transition from CHA-W to PDI-Tomo in done in one seamless step. PDI-Tomo has been designed for fast data processing, improving the productivity of CHAMP-XV users. Program functions are intuitive and many features are automatic (for example, PDI-Tomo find the depths where data suggests that a detailed investigation of integrity may be warranted). The professional looking PDI-Tomo output is highly customizable to fit the needs of each user.

The CHAMP-XV and PDI-Tomo are just one of a growing line of Pile Dynamics Systems for quality assurance and quality control of deep foundations. Pile Dynamics is based in Cleveland, Ohio, USA; its products are sold around the world through PDI's network of representatives.

For more information on this testing system visit www.pile.com/CHAMP.

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