

Environmental awareness

Despite the global financial crisis, C E is finding that foundations equipment manufacturers are still investing in innovations focusing on increased productivity while reducing environmental impact.

MANUFACTURERS OF FOUNDATIONS

equipment recognise that new products need to be both environmentally friendly and efficient to function in increasingly challenging construction situations around the world, and the Bauma exhibition in Munich, Germany, provided a platform for these manufacturers to showcase their new innovations.

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Pile Dynamics, meanwhile, has introduced its Wireless PIT-X – a lightweight device designed to fit into the palm of the hand and said to be ideal for field work because of its wireless accelerometer, bright display and eight-hour battery life.

According to the company, pulse echo integrity testing is the method of choice to verify the integrity of concrete piles quickly. Developing its first instrument to perform the test in 1991, the Wireless PIT-X is its latest addition to make integrity testing of deep foundations more convenient.

It has also launched its iCAP technology, offering instant signal matching based on the globally-used CAPWAP logic and offering Pile Driving Analyzer users an instant signal matching system they can trust. With no user interaction, iCAP extracts the soil behaviour from dynamic measurements, computes capacity at the time of test and produces a simulated static load test graph – all during real time while testing.

“In this way, iCAP provides both the reliability and the instant results that PDA users are looking for,” said a spokesman. “iCAP expands the power of the PDA, taking a confirmed technology to the next level.”

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