

Geo-Instruments: Flush Mount Logger/Radio



Dredging, next to an existing container ship facility raised concerns about sheet pile cofferdam cells.

The port engineer wanted to verify that dredging operations did not affect the existing sheet pile cell load



Left:: Cored hole in pier pavement to accept the flush mounted logger system.

distribution, and specified use of load cells across the sheet joints, closest to the dredging., at the bottom, middle and top of the cell wall.

Geo-Instruments provided a solution including weldments providing bearing surfaces for the underwater load cells, and flush mounted data logger/antenna system, which allows unobstructed access to the pier and longshoreman operations.

The flush mount system includes a long life battery pack powering the system for over one year (original batteries are still active at this writing). Readings are collected every hour via a remote wireless IP connection.

Data is collected remotely and processed on a project web site, The web site provide a convenient and efficient method for data dissemination.

Right: Completed flush mount logger system, below: Flush mount SS lid, and flush antenna (upside down), below, foreground weldments for load cell bearing.



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Helping you get the data you need.

