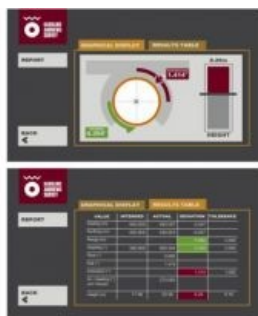


# Pile Installation Support from 'Total Controller' and 'Total Viewer'™



The Acclaimed Software Company, UK, has launched a software system designed for Harkand Andrews Survey to support pile installation operations. The 'Total Controller'™ and 'Total Viewer'™ systems have been successfully put into operation on a construction support vessel conducting precise pile installations.

[Harkand Andrews Survey](#) have developed a technique for installing monopiles and transition pieces in offshore wind farms which allow observations to be collected remotely. This removes the necessity for a surveyor to physically access the pile for measurements during piling operations and therefore reduces risk to survey personnel. By utilising remote observations it is possible to achieve higher accuracies than accessing the pile directly, due to the increased observation baseline. The system reduces the amount of time

required to make the observations and automatically communicates results to the deck crew and hammer operator.

To achieve this The Acclaimed Software Company developed Total Controller: Designed to be operable by the survey team using keyboard/mouse or touch screen, the software provides consistent and reliable results, quality control analysis, reporting and data logging facilities. To communicate results to client personnel a Wi-Fi network is utilised and a parallel software development, Total Viewer, displays information in tabular and graphical formats.

Harkand Andrews Survey are continuing to invest in this system by developing technologies which, when integrated into Total Controller by The Acclaimed Software will provide a fully automated and real time pile installation system. It is expected this system will be operational by Q3 2014.