



Код: 10989

Niklas Scholle, Ludger Lohaus

Offshore Measurement System for Relative Displacements of Grouted Joints

Берлин, Германия, 2012 год

8 стр; формат: 23,5 x 16 см; библиографический список: 3 единицы

The experience with regard to the design and execution of Grouted Joints for OWC's is primarily based on small- and large-scale experimental tests as well as calibrated numerical models. Now, the German offshore wind park "alpha ventus" enables measurements of structural behaviour in full-scale wind energy turbines. A prototype measurement system was installed on a Tripod support structure in order to monitor the displacements of a Grouted Joint. This article deals with the conception, application and analysis of the measurement data from this prototype.

Доклад. Конференция по мониторингу технического состояния гражданских сооружений (CSHM-4), «Системы мониторинга технического состояния сооружений, обеспечивающие продление срока службы сооружений». Ноябрь, 2012. Берлин. Германия.

Ключевые слова:

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