



Abstract: Euronoise 2015

Name:

Combining installation challenges with noise challenges

Abstract/Topic:

IHC Hydrohammer is market leader in the piling of offshore wind foundations and takes a leading roll in research and development of sustainable equipment.

With the Noise Mitigation System “NMS” IHC Hydrohammer launches equipment which contribute to the necessary cost reduction in offshore wind while respecting the environment with mammal specific noise mitigation.

The present designed NMS IHC Hydrohammer series manage to combine the noise challenges with the installation challenges by NMS integrated functionality and is speeding up the installation which reduces the environmental impact.

Offshore Wind Farms, Riffgat – Riffgrund – Butendiek – Amrumbank are successful installed with various type of the NMS all complying with the German legislation of maximum noise (160 dB SEL and 190 dB SPL). Specific mammal

At this time Offshore Wind Farm “Godewind” is under construction with the latest developed modified NMS-8000 to meet the increasing demands.

Starting with the introduction of the NMS technique this topic will guide you through the challenges faced during the installation of Offshore Wind Farms.

Experiences from present and previous projects will be illuminated. The noise reduction challenge is constantly encouraging IHC Hydrohammer to develop additional mitigation methods.

New piling methods such as: HiLo (High Frequency Low energy), SMART Pile Driving (SPD) and Efficient Pile Driving (EPD) which were used on three projects in the North Sea will be explained.

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