

# NLWKN Research Centre Tide and Wave Station Order



The research centre coast of the NLWKN – Norderney was delivered with 5 autonomous and maintenance-free working Wave and Tide stations LOG\_aLevel from General Acoustics. The systems, all based on ultrasound technology, will be deployed around the Island of Norderney in the German North Sea and replace the existing pressure sensors. The pilot station, which was delivered in the previous year, delivered data even during strongest storm seasons.

Due to the absolute accuracies of far below a centimetre, all wave troughs and crests, as well as all flanks were measured. LOG\_aLevel contributes an important part to improve the level accuracy and the quality of data. Additionally, the system reduces maintenance costs since the contact free measuring procedure does not need any maintenance.