

EYES on the Bay

Dublin Port Company (DPC) is committed to using the best technologies available to ensure the protection of water quality and biodiversity in Dublin Bay during capital dredging works which form an important element of the Alexandra Basin Redevelopment (ABR) Project.

As part of this commitment DPC has deployed four new CoastEye Monitoring buoys in Dublin Bay.



CoastEye Monitoring Buoys on board the Irish Lights ship *ILV Granuaile* in preparation for deployment in Dublin Bay

Dublin Port Company, through their environmental consultants RPS, have procured TechWorks Marine, a Dún Laoghaire based company with a proven international record in the provision of robust, reliable and secure marine data, to supply the monitoring buoys. With the assistance of the *ILV Granuaile* from the Commissioners of Irish Lights, the CoastEye buoys have been positioned strategically within the Bay to give real-time detailed sea-state data on turbidity, wave and current profiles.

The buoys also provide a platform for real-time acoustic detection of whale, dolphin and porpoise activity in the area. These systems, supplied by JASCO Applied Sciences, an innovative leader in the science of underwater sound and its effects on marine life, automatically detect marine mammals and send notification messages to Marine Mammal Observers from the Irish Whale and Dolphin Group (IWDG) positioned on-board the dredger.

Other acoustic equipment (C-POD's) have been deployed by IWDG on all four buoys which will collect valuable long-term data on marine mammals and their distribution in the Dublin Bay area.