

GeoChirp 3D Imaging



The GeoChirp 3D from GeoAcoustics Ltd provides the shallow-survey market with a new tool to image sub-surface structures and buried objects. The GeoChirp 3D provides a three-dimensional image of the sub-seabed with typical penetration of 10 – 30m and decimetric horizontal and vertical resolution, with the results presented as a high resolution 3D seismic volume.

GeoChirp 3D has been designed to be deployed from small vessels of opportunity (anything with a Hi-AB crane or A&A™ frame will do), the GeoChirp 3D can be applied to targets of marine geological, engineering, archaeological and defence interest. The capabilities of the system have been shown in several port investigations and marine archeological sites. In Southampton (UK) it was used for mapping a buried cofferdam,

prior to possible future dredging works. Developed in partnership with the National Oceanography Centre, Southampton, the GeoChirp 3D has transferred the well-established principles of conventional 3D reflection seismics to the world of high-resolution Chirp sub-bottom profiler technology.

<https://www.hydro-international.com/content/news/geochirp-3d-imaging>
