

Press information

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Concept Systems use E2S's unique Appello sounders to improve safety at sea

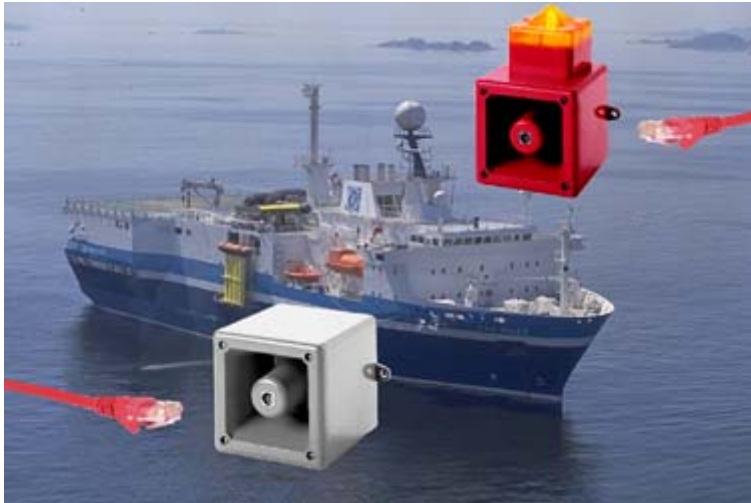
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Concept Systems Ltd. is a leading supplier of advanced IT systems, solutions and services to the oil exploration and production industry. Its SPECTRA Integrated Navigation and Control system is accepted as an industry standard for 2D, 3D and 4D marine streamer operations, making Concept a world leader in the supply of real time navigation and positioning products. To enhance further their navigation systems, Concept have now added the unique Appello voice and tone sounders and strobes from E2S (European Safety Systems), enabling warnings and safety critical alarms, previously only flagged onto the operator's workstation, to be broadcast throughout the vessel, ensuring that relevant personnel are made aware of the situation automatically.

The E2S Appello range of high performance voice and tone sounders are unique in that the voice message, up to sixteen seconds long, is stored in a CMOS device containing non-volatile memory cells, providing zero-power storage, ensuring that the message quality does not degrade with time and that it is not lost during power outages. The voice is stored directly into the memory in its natural form, providing high quality, solid state reproduction. During playback, the message can be preceded by one of nine different user-selectable tones; a visual warning is also given by a Xenon strobe mounted on top of the Appello sounder. The sounder produces up to 105dB(A) @ 1m, giving an effective range of up to 60 metres.

A Concept Systems designed Alarm Control Unit controls up to six sounders over standard Cat 5E Ethernet cable, which provides 24VDC power on unused pairs, so no local power is required for the sounder units. SPECTRA system communicates with local Alarm Control Unit using industry-standard Modbus/TCP Ethernet protocols – each Alarm Control Unit has a unique network IP address. Setup, test and diagnostics of sounders is made easy using built-in Alarm Control Unit web browser. The combination of alarm tone and voice message enables critical alarms to be easily differentiated from other instrument room, bridge or back deck alarms.

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Notes to Editors.

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European Safety Systems specialise in the design and manufacture of a wide range of Intrinsically Safe and Explosion Proof high performance sounders, strobes and beacons, including unique intelligent annunciation and audio messaging devices employing direct analogue signal storage on silicon technology.