

C-Surveyor II AUV

A C & C Technologies deepwater AUV, C-Surveyor II, has been delivered to corporate headquarters. C & C purchased the C-Surveyor II as a base vehicle in November 2004 and has worked diligently over the last six months to integrate and build customised components for this next-generation survey AUV. The design of the C-Surveyor II is modelled on an existing AUV, C-Surveyor I, and includes a multi-beam echo sounder, chirp side-scan sonar, chirp sub-bottom profiler, CTD system and methane detector. The Edgetech DW106 sub-bottom profiler on board is customised with narrow transmit and receive beams to permit significantly deeper seabed penetration. In addition to the sub-bottom profiler, C & C also has a Dynamically Focused (DF) side-scan sonar system being specialised for installation in November 2005. This will provide five times more resolution than traditional systems, in order to identify smaller objects located on the ocean floor. C & C system engineers are continuing to integrate proprietary hardware and software into the C-Surveyor II AUV. After this the vehicle will be mobilised on C & C's newly purchased 247-foot Norwegian flagged vessel, M/V *Northern Resolution* to begin several currently pending surveys.

<https://www.hydro-international.com/content/news/c-surveyor-ii-auv>
