

CDL to Develop Holographic Laser System (5-3-2004)

CDL are leading a 3 year Link/OSDA funded program to develop a subsea holographic laser based on the advanced research conducted by an academic team headed by Dr John Watson of Aberdeen University. Laser expertise will be provided by Elforlight UK Ltd. Digital Holography uses an electronic camera usually a CCD, to record data and images within a sample volume instead of using photographic plates or film. The sample is then reconstructed onto computer through specially developed software and provides the operator with a real-time 3-D computer model up to 3000 cm³. e-holocam will measure particles with an accuracy of 5 microns and will result in adapted laser products for varying subsea and surface applications such as environmental sampling and pipeline inspection.

<https://www.hydro-international.com/content/news/cdl-to-develop-holographic-laser-system-5-3-2004>
