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# **Coda Octopus Reports Successful Deployment of the Echoscope® on a Breakwater Construction Project**

Coda Octopus Group, Inc. (OTCQX:COGI) reports Van Oord successfully executed the impressive ground improvement project for client Kuwait National Petroleum Company (KNPC) using the Coda Octopus real time 3D sonar, Echoscope®.



The project, which started in 2014, involved the reclamation of 65 million cubic metres of sand and extensive soil improvement. The reclamation area of 1,320 hectares is intended for one of the largest oil refining plants in the Middle East.

This project comprises land reclamation for the construction of a port and the first phase of a LNG import facility. Part of the scope is the construction of revetments and breakwaters which contains some 24,000 CORE-LOC armour units of 1m<sup>3</sup>.

The CORE-LOC(TM) armour unit was developed and patented in the mid-1990s by the U.S. Army Corps of Engineers (USACE) Coastal and Hydraulics Laboratory. It is now widely considered for breakwater projects requiring reliable and cost-effective protection. This armour unit is ideally suited to sites exposed to moderate waves.



The excavator used for placing the CORE-LOC armour units is equipped with a Coda Octopus Echoscope® 3D imaging sonar providing the operator with real time guidance information during placement below the waterline ensuring the units are placed within the applicable tolerances and according to the rules that need to be adhered to in order to achieve correct interlocking between the separate units.

By using a hydraulic excavator in combination with an Echoscope and skilled operators Van Oord realized significant productivity gains and was able to achieve record production rates ("lay rates for the CORE-LOC(TM)) of up to 200 units per day. The Echoscope® also enhances safety of operations through providing real time visualization below the waterline and can be used for other ancillary and survey tasks on projects.



Blair Cunningham, President of Technology, stated "this is a significant productivity achievement and yet another great example of the return on investments that our customers

are making in employing the Echoscope® technology on these types of projects. We continue to invest to enhance our capabilities in the breakwater sector including advancement of our proprietary top end software solution, Construction Monitoring Software, which embeds patented algorithms which not only tracks the blocks into position to ensure accurate placement but also monitors any disruption of the slope or movement of previously laid blocks – a unique feature only afforded by the Coda Octopus Echoscope® and CMS solution. Our Software package contains full reporting capability including the pre-laid and as-laid block information for such breakwater constructions and maintenance. Van Oord is a great counterpart to work with and we thank them for their confidence in our technology”

## **About Coda Octopus Group, Inc.**

Originally founded in 1994 as Coda Technologies, the Coda Octopus Group is now headquartered in Lakeland, Florida.

The Group consists of a Marine Products business located in Lakeland, Florida, Edinburgh, Scotland, Perth, Australia, and Bergen, Norway, and engineering businesses, Coda Octopus Colmek in Salt Lake City, Utah and Coda Octopus Martech in Weymouth, England. Each of the Group companies are technology innovators with a particularly high level of sonar expertise. The Group has facilities in Florida, Utah, the UK, Australia, and Norway.

Alongside providing bespoke engineering and development for defense applications one of the Group's key products is the patented Coda Echoscope® - the first real time 3D sub-sea sonar which is used in oil and gas, underwater construction, search and rescue operations and port and harbor security and constructions. The top end software which runs on the Echoscope® (Underwater Survey Explorer) is also proprietary to Coda Octopus. The Echoscope® is also at the heart of the Underwater Inspection System which is being adopted for port and harbor security, and other applications globally. We have a number of products which are based on our real time 3D technology (Echoscope®, Underwater Inspection System and Dimension® (the latter being a forward looking real time sonar targeted at ROV applications)).

With this patented revolutionizing sub-sea visualization capability, and the existing systems integration skills within Coda Octopus Colmek, Inc. and Coda Octopus Martech Ltd., the Coda Octopus Group believes it can become a world leading integrated sonar technology supplier.

For further information, please visit <http://www.codaoctopusgroup.com> or contact Coda Octopus at [info@codaoctopusgroup.com](mailto:info@codaoctopusgroup.com).

## **Safe Harbor Statement**

This press release contains certain forward-looking statements. These forward-looking statements can generally be identified as such because the context of the statement will include words such as Coda Octopus Group plans, expects, should, believes, anticipates or words of similar import but all statements other than of historical fact could be deemed forward-looking statements. Stockholders, potential investors and other readers are cautioned not to place undue reliance on these forward-looking statements that are predictions and opinions based only on current information as of the date of this press

release that are inherently subject to risks and uncertainties that could cause future events or results to differ materially from those set forth or implied by the forward-looking statements. Certain of those risks and uncertainties are discussed in registration statement on Form SB-2 and include, but are not limited to, market acceptance of CodaOctopus' planned products and their level of sales, access to the capital necessary to finance and grow the business, a highly competitive environment in the security field that includes numerous large and well established companies much larger than ours, and our ability successfully to deploy our technologies and products to meet the technical demands and market requirements of our customers. These forward-looking statements are only made as of the date of this press release and Coda Octopus Group does not undertake any obligation to publicly update such forward-looking statements to reflect subsequent events or circumstances.