CARAPAX HELIX DRILLING RIG

A drilling rig especially developed for installing screw anchor moorings for the aquaculture industry. The drilling rig is loaded with a helix screw anchor and the mooring rope is attached at the surface before the rig is lowered down on to the sea bed. A powerful hydraulic rotor drives the helix screw anchor down into the seabed and the whole operation is controlled and monitored from the deck of the ship. Once the screw anchor is in position the rotor is released from the anchor and the rig is hoisted up to the surface ready to be loaded with the next anchor. The installation is very time efficient and there is no need for the assistance of divers. Requires 30–40 lpm flow of hydraulic oil at 200 bar pressure and the system has a built-in power source for the camera and monitor.
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