



Worldwide Applications **CONSTRUCTION** PORT CONSTRUCTION



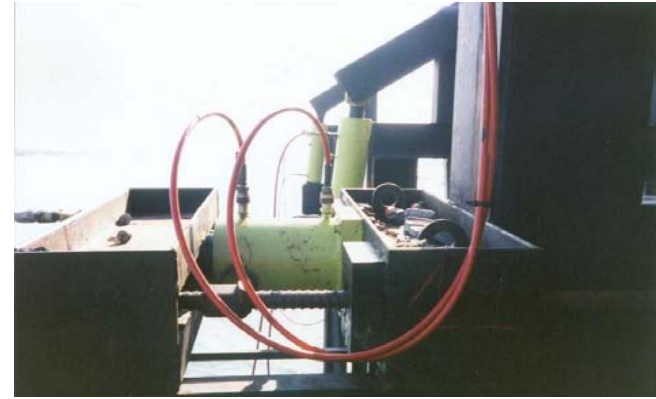
- Location: Cascais (Portugal)
- Customer: O.C.P.
- The project consisted in the construction of a wave-breaker to built-up an sportive port.
- LARZEP supplied all the hydraulics of the project, consisting in 16 cylinders, accessories and one special power unit to control all the system.



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- The function of the 16 cylinders were to move an steel frame which advanced inside the sea to poured the concrete step by step.
- The operations performed by the cylinders were: lifting, advancing, clamping and holding into position, closing an square area where the concrete was poured.
- There were at the same time 2 divers working under the sea to prepare the sea-ground to receive the metal sheets which closed the square.





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- After the assembly in our premises, the special power unit was sent to place to work in a very hard enviroment.
- To command each cylinder, a HAWE spring return to center valve were used.





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The length of the construction is 1,2 Km inside the sea. An amazing project done thanks to LARZEP high pressure hydraulic equipment..

