



Vibrodriver 60HV with CX 85 hammer for driving tubes on the Aveiro harbour, Portugal.

// PROJECT

A 60HV Vibrodriver + CX85 Hydraulic hammer + both powered by a PTC 600DO power pack driving 1 016 mm tubes, were used for completing this job.

The PTC 60HV has been chosen to work in Aveiro for a loading dock. It is equipped with a PTC power pack 600DO tier 3b with hammer kit so that it can also drive hydraulic hammer. Thanks to its variable moment, it can work near existing structures without damaging them. It is mounted free hanging on a 160 t Liebherr LR1160 crawler crane

The power pack is also equipped with a colour display control box. With just a clic it can either drive the vibrator or the hammer.

120 steel tubes of 1 016 mm diameter and 40-42 m length are to be driven (penetration in the soil 22-24 m).

// FURTHER INFORMATION

A Duplex 2x120 t clamping head is mounted under the vibrodriver so that it can easily handle the steel tubes. The vibrator first drive the tube until refusal (8 -10 m) then the hammer back drive the tubes to the required depth.

A BSP hydraulic hammer type CX85 of 7 t drop weight which was available has been used then for the back driving.

Soil : sandy silts until – 10m, (SPT between 2 and 30) then from -10 to -21 m fine sand, medium compact sand but also sandy silts (SPT between 30 and 60)

Color display on the power pack.

