

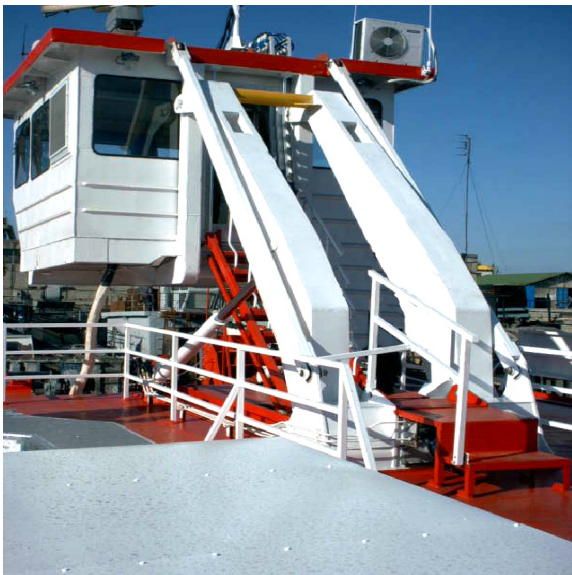


# Hidro Tech Consult

## WHEEL HOUSE HOISTING MECHANISM FOR RIVER PUSHERS

### GENERAL DESCRIPTION

Wheel house hoisting mechanism is designed to outfit the existing 2x840 CP river pushers in order to adapt them according to MLPTL Instruction, no 595/2003. The equipment is controlled by an electric power source, being able to work in any ordinary ship working conditions. The installation is designed so that it can lift by 1.5 times the equipment's mass completely equipped and with men on board. Wheel house hoisting mechanism is designed in order not to affect people security on board. The main components are: support, main arm, synchronization bar, bracket, hydraulic cylinder, pump unit, blocking mechanism, stair, hydraulic installation and electric installation.



### TECHNICAL CHARACTERISTICS

Lifting capacity: 3000 kg (completely equipped and with men on board)
Electric engine power: 7,5 kW for 1500 rpm
Power supply : -3x380 V/50 Hz for electric engine -24 V c.c. for hydraulic valves
Automatic acoustic alarm during lowering manoeuvre: aprox. 100 dB for 1 m distance
Manoeuvre time (lifting / lowering) 60 / 60 seconds
Maximum working pressure 175 bar
Resure control of safety valve 190 bar
Tank oil volume aprox. 120 l