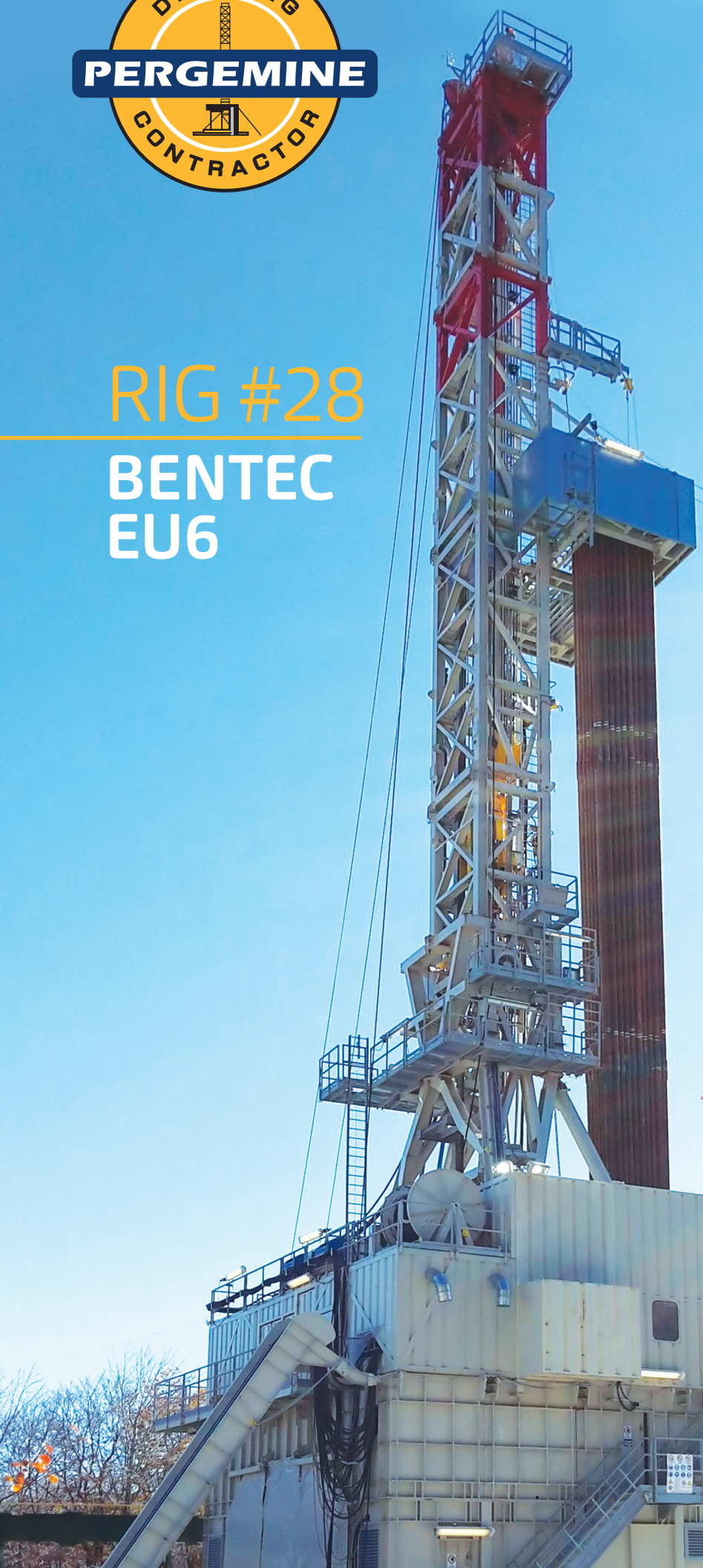
PERGEMINE DRILLING CONTRACTOR

RIG #28

BENTEC EU6



CHARACTERISTIC

RIG TYPE Diesel electric ac/ac w/vfd unit

DEPTH RATING 7500 m (25,000 ft +)

MAST Bentec MVL-1000-143-33 450t (1,000,000 lbs) shl

SUBSTRUCTURE Bentec SSB-1000-575-295
30ft rig floor height
450t (1,000,000 lbs) rotary capacity
260t (575,000 lbs) setback capacity

DRAWWORKS Bentec E-2000-AC, 2000hp, 1.1/2 drilling line, gear driven with ac motors

TOP DRIVE SYSTEM Varco TDS11-SA, 500 ton hoisting capacity, 37,500 ft.lb cont.torque and 75,000 ft.lb max pipehandler torque, 7,500 psi rated working pressure

TRAVELLING BLOCK 450t (500 ton) rated hoisting capacity

ROTARY TABLE RT-375, 37.1/2-in opening, 600t load capacity

POWER PLANT (4) MTU 12V4000 generating sets with Stamford PI736F, 1625kva, 600v, 60hz ac generators

MUD SYSTEM 400 mc (2,500 bbl) total capacity

SOLID REMOVAL SYSTEM (3) Swaco Mongoose shakers w/mud cleaner

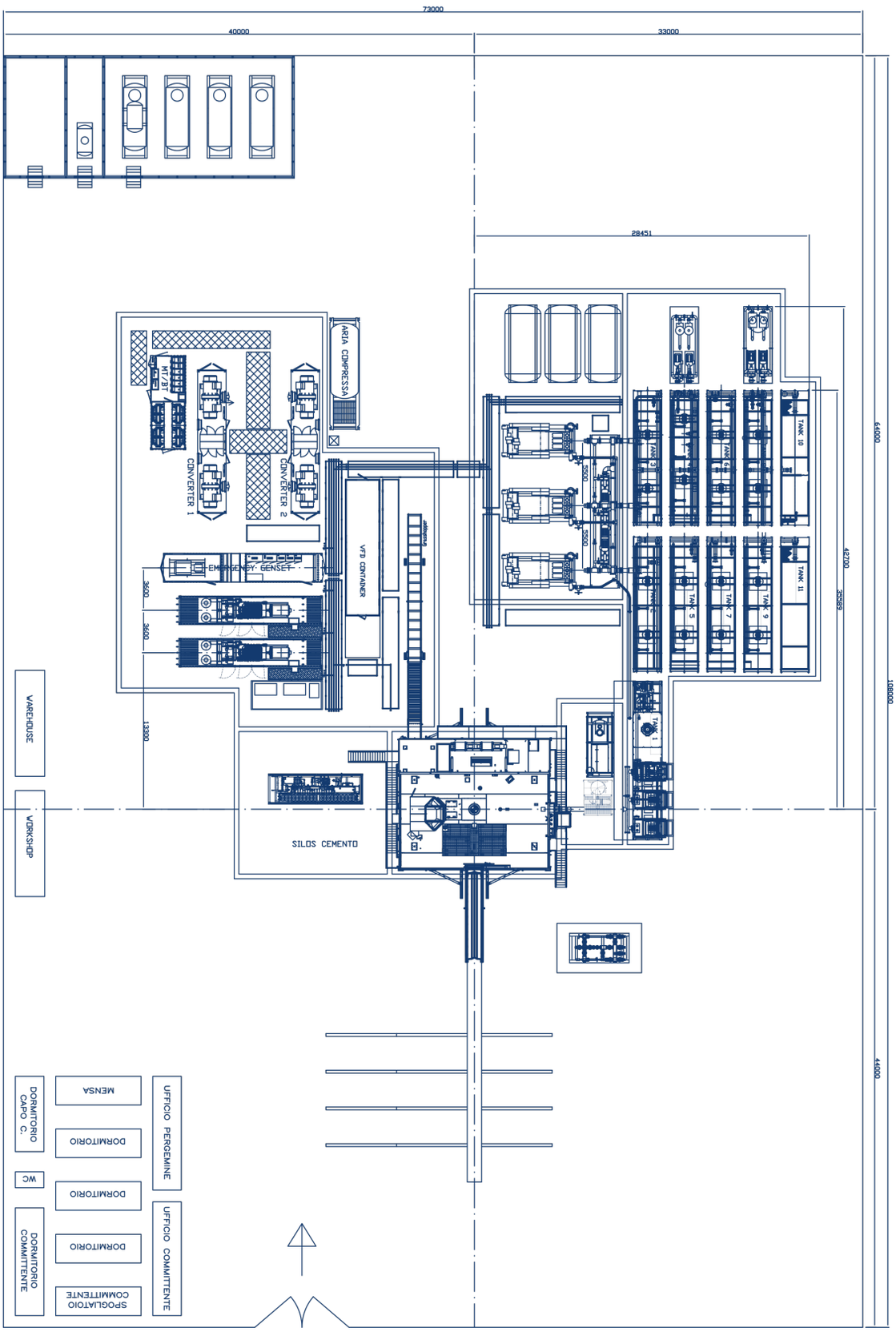
MUD PUMPS (3) Emsco FB1600, 1600hp, 5,000 psi max wp

5KPSI BOP STACK (1) 21.1/4-2kpsi annular bop + (3) 21.1/4-5kpsi ram

10KPSI BOP STACK (1) 13.5/8-5kpsi annular bop + (4) 13.5/8-10kpsi ram

WELL CONTROL (1) BOP control unit with remote control panel; 3-in ID 10,000 psi WP choke manifold; Swaco mud/gas separator; Burgess Magnavac 1000 degasser

TUBULARS 3.1/2-in OD DP 15.50# S135
5-in OD DP 19.50# S135
3.1/2-in OD & 5-in OD HWDP
4.3/4-in; 6.1/2-in; 8.1/4-in & 9.1/2-in OD drill collars

ACCESORIES Hydraulic rig skidding system; sound proofing provision; modular rig camp; HV/LV step-donw transformers & frequency converter package for public network power supply

GENERAL LAYOUT