

# Drilling equipment and systems

## MH RamRig™

### Structural systems

- (01) Drill floor structure
- (02) Sub structure
- (03) Drilling structure (RamRig™)

### Heave compensation and tensioning systems

- Active heave compensator\*)
- Drill string compensator\*)
- \*)Integrated in RamRig™ hoisting system, see below

- (04) Direct acting tensioners

### Hoisting and rotating systems

- (05) RamRig™ hoisting system
- (06) Derrick drilling machine (DDM)
- (07) Rotary table

### Pipe handling systems

- (08) Pipe deck pipe handler
- (09) Tubular feeding machine
- (10) Tubular shuttle
- (11) Tail in arm
- (12) Roughneck
- (13) Multi scope arm
- Mud bucket
- Power slips
- (14) Bridge crane
- (15) Drill pipe finger board
- Casing finger board
- (16) Lower guiding arm
- (17) Drill floor manipulator arm
- (18) Riser handling crane
- (19) Riser finger board
- (20) Riser trolley
- (21) Riser chute
- (22) Riser spider skid

### BOP and X-mas tree handling systems

- BOP crane
- BOP skid
- (23) BOP trolley
- (24) BOP stack-up guide
- (25) X-mas tree crane
- (26) X-mas tree skid
- (27) X-mas tree carrier
- (28) X-mas tree stack-up guide
- (29) Over hull guides
- Under hull guides

### Control and monitoring systems

- (30) Drilling control cabin
- Intelligent operator chari(s)
- DrillView™ (human-machine interface)
- E-tally (drilling items logistic)
- CCTV (closed circuit television)
- CADS (config. autom. drilling system)
- SZMS (anti collision)
- Process control
- Well control
- 3rd party integration
- Radio control
- Local control
- Remote diagnostic

### Miscellaneous

- (31) Access baskets
- Manrider winches
- Utility winches
- (32) Catheads
- Air compressors
- Air pressure vessels
- Hydraulic power units
- Variable frequency drives
- Motor control centres
- Bulk storage, drilling fluid circ.,
- Mixing and cementing systems

