

Aker Kvaerner MH

The Drilling Equipment & Systems Provider

Complete Drilling Equipment Package - 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

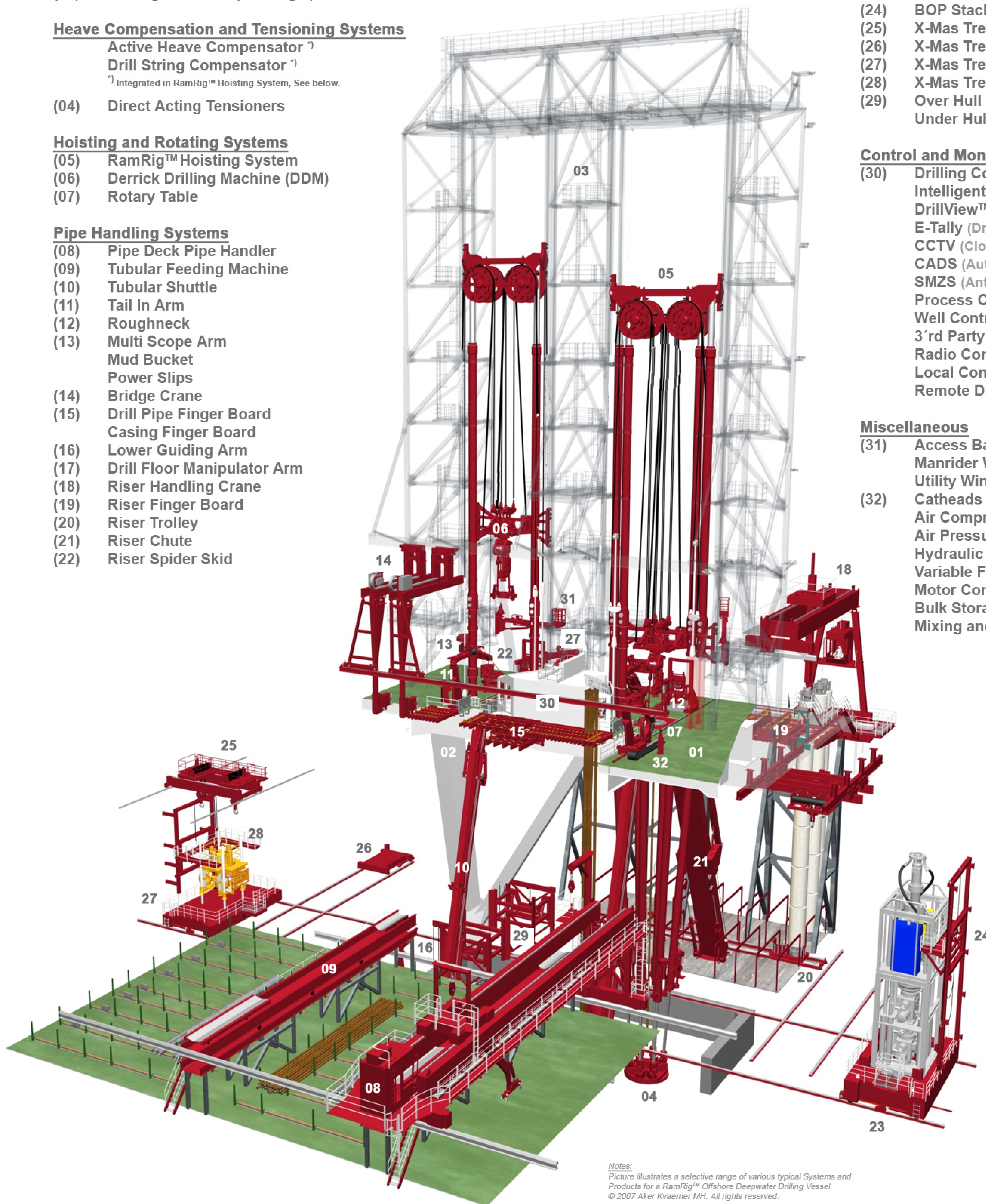
- BOP Crane
- BOP Skid
- (23) BOP Trolley
- (24) BOP Stack-Up Guide
- (25) X-Mas Tree Crane
- (26) X-Mas Tree Skid
- (27) X-Mas Tree Carrier
- (28) X-Mas Tree Stack-Up Guide
- (29) Over Hull Guides
- Under Hull Guides

Control and Monitoring Systems

- (30) Drilling Control Cabin
- Intelligent Operator Chair(s)
- DrillView™ (Human-Machine Interface)
- E-Tally (Drilling Items Logistic)
- CCTV (Closed Circuit Television)
- CADS (Auto Seq. Pipe Handling)
- SMZS (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



Notes:
Picture illustrates a selective range of various typical Systems and
Products for a RamRig™ Offshore Deepwater Drilling Vessel.
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