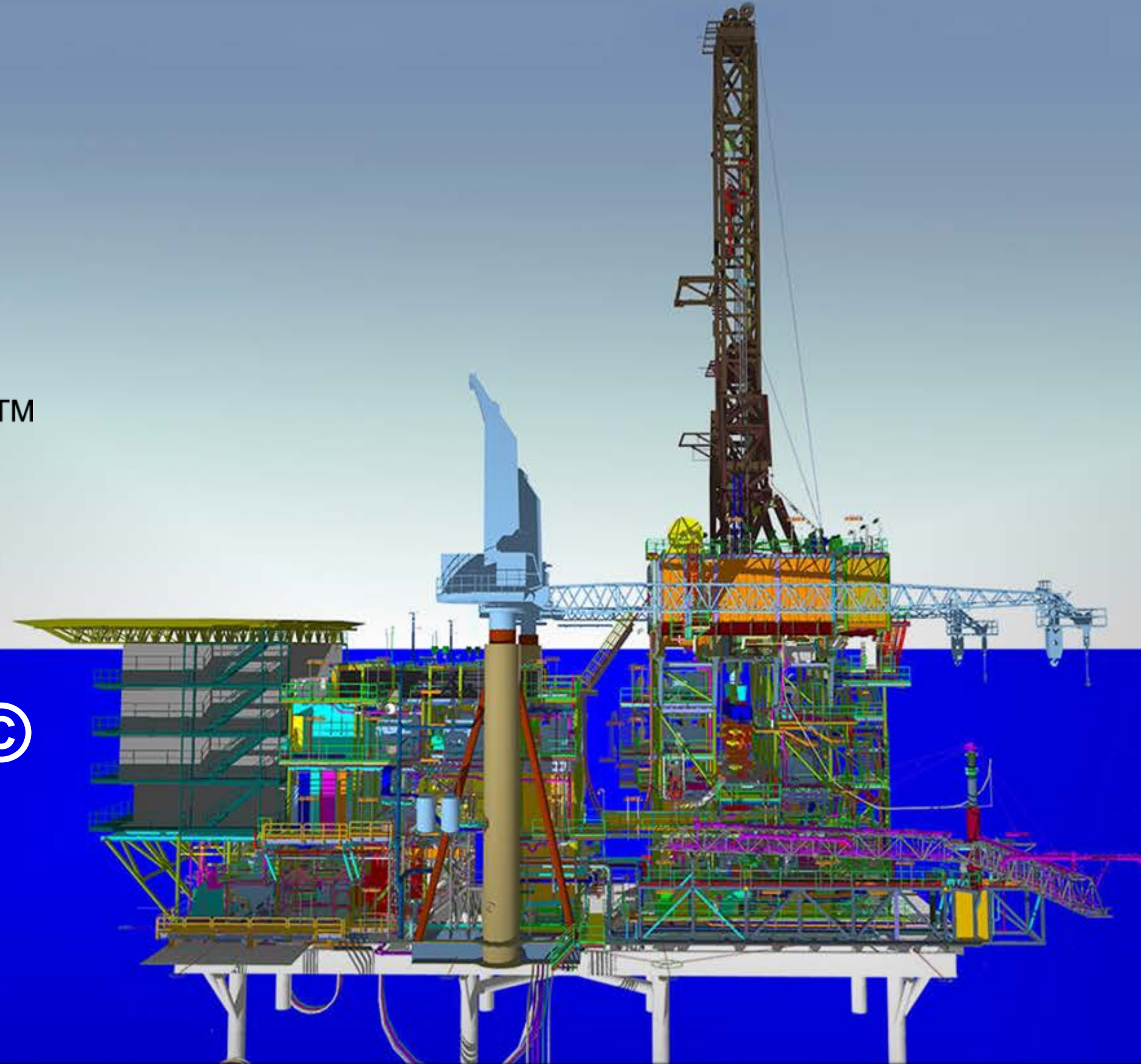


ENSURING SUCCESS FOR HIGH-STAKES CAPITAL PROJECTS. ONSHORE. OFFSHORE. WORLDWIDE.



WILLIAM JACOB™
MANAGEMENT

WJM MORF©

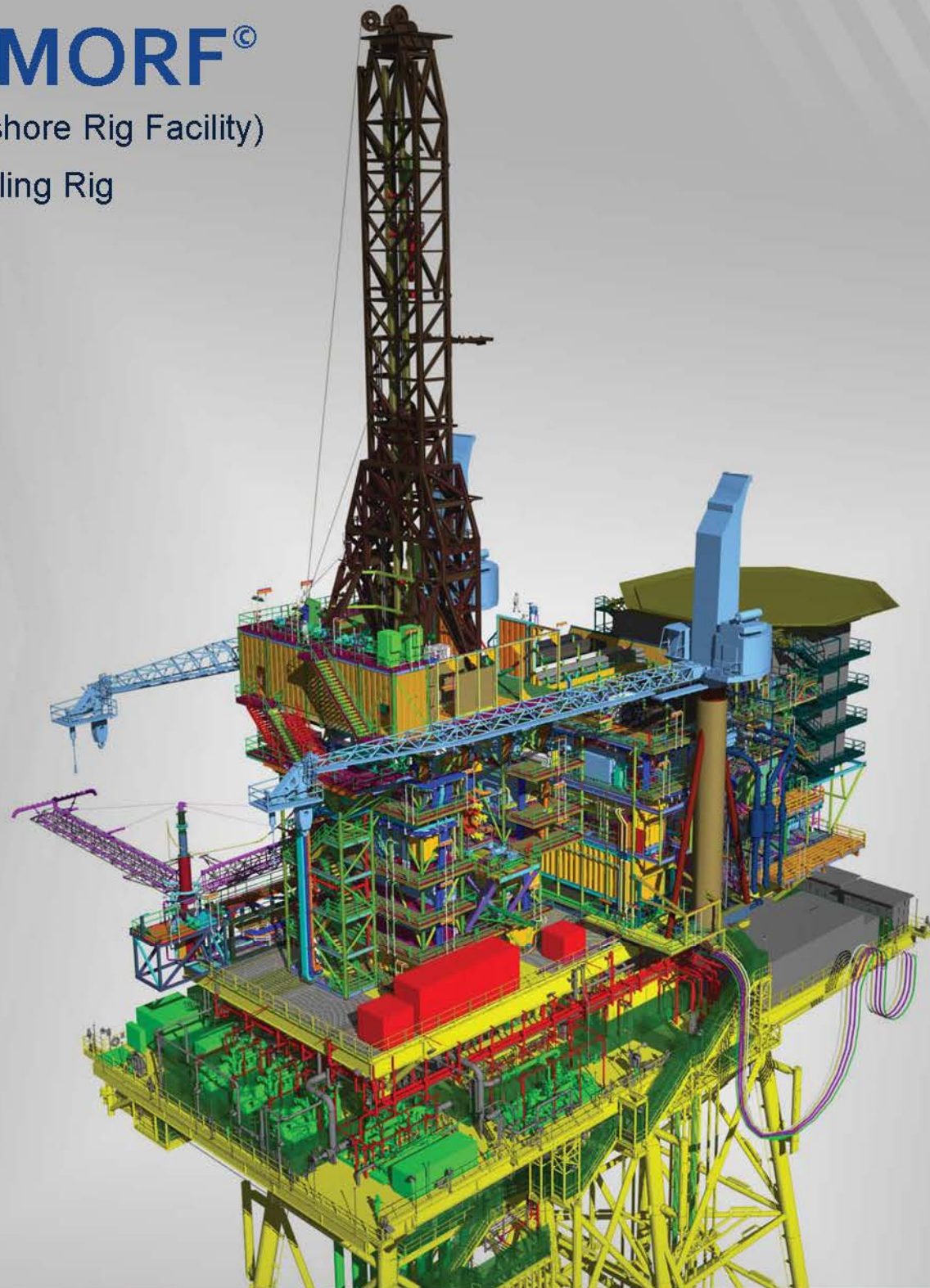


ENGINEERING & PROJECT MANAGEMENT SOLUTIONS

WJM MORF[®]

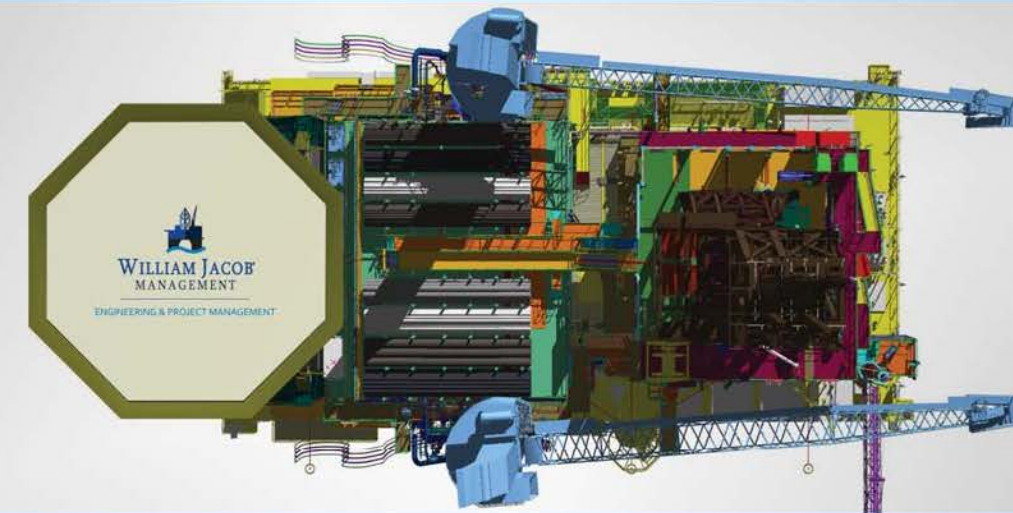
(Modular Offshore Rig Facility)

3,000 HP Drilling Rig



WJM MORF[®] Specification_11/8/16

WJM MORF[®] (MODULAR OFFSHORE RIG FACILITY)



SPECIFICATIONS

DRILLING EQUIPMENT STRUCTURE (DES) – DRILLFLOOR STRUCTURE

MAST

152 ft freestanding mast with API rated hook load of 1,500,000 lb. Racking capability of 30,000 ft of 5-1/2" drill pipe (or 5-1/2" & 4-1/2").

DRAWWORKS

3,000 HP unitized gear driven electric drawworks with dual disc brakes, sized for 1-3/4" drill line. Driven by three (3) 1,150 HP AC electric motors. Equipped with one (1) crown block protecting device.

TOPDRIVE

1,150 HP AC topdrive. Rated at 63,000 ft-lbs continuous torque.

ROTARY

49-1/2" rotary table. Hydraulically driven torque capacity of 40,000 ft-lbs. Maximum speed of 40 rpm.

DRILLING EQUIPMENT STRUCTURE (DES)

SOLIDS CONTROL

- Four (4) dual motion, Triple Deck Shale Shakers (550 gpm each)
- One (1) Desilter/Desander Cones (mounted over 4th Shaker)
- Two (2) Centrifuges
- One (1) Horizontal Vacuum Degasser

BOP

- One (1) 37-1/2" Integral Diverter x 0.5K
- One (1) Shaffer 18-3/4" x 5K Annular
- Two (2) Shaffer 18-3/4" x 10K Double Rams

DRILLING SUPPORT MODULE (DSM)

MUD TANKS

- DES Process Tank Capacity: 712 bbls
 - Active Mud Tank Capacity: 1,084 bbls
 - Reserve Mud Tank Capacity: 696 bbls
- Mud Tank System Total Capacity: 2,492 bbls**

MUD PUMPS

Three (3) 1,600 HP x 7.5K Triplex Mud Pumps. Each powered by two (2) 1,150 HP AC electric motors. Equipped with pulsation dampeners and pressure relief valves.

BULK STORAGE

- Bulk Barite Capacity: 4,200 cu. ft.
- Bulk Cement Capacity: 4,200 cu. ft.
- Pallet Storage Capacity: 2,000 sacks

GENERATORS

- Four (4) Main CAT diesel engines, rated at 2,000 kW.
- One (1) Auxiliary CAT diesel engines, rated at 1,200 kW.

PLATFORM PEDESTAL CRANE MODULE

PLATFORM PEDESTAL CRANES

Two (2) Offshore Pedestal Cranes rated for 100 Tons SWL with 120 foot Lattice Booms

QUARTERS

- One (1) 100 man Quarters Facility
- One (1) Helideck, rated for Bell 412 Helicopter or similar

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