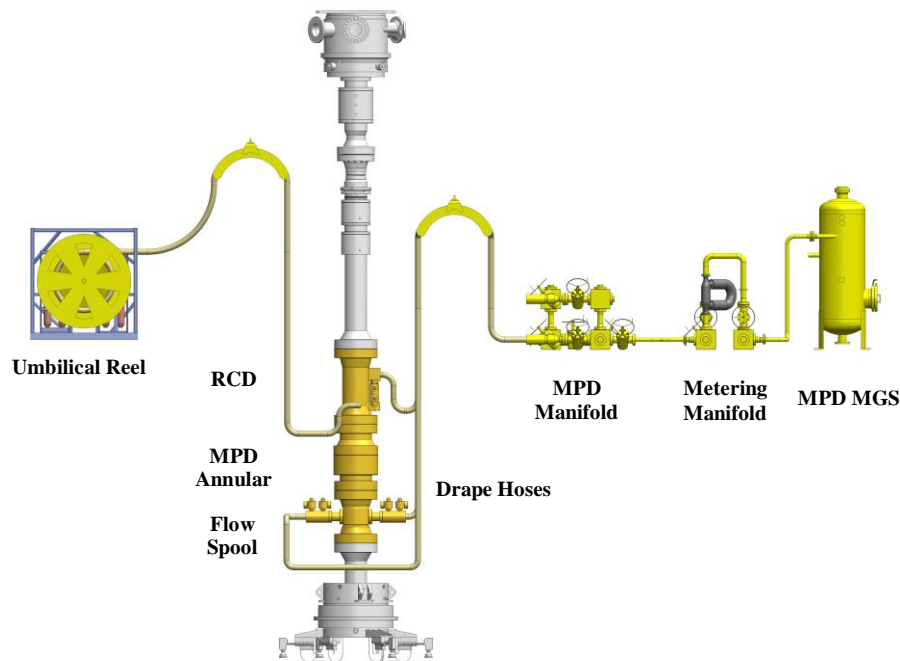




MANAGED PRESSURE DRILLING SERVICES

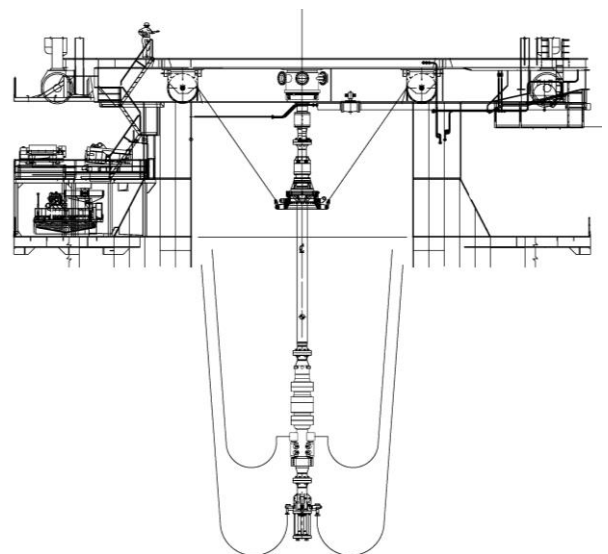
Managed Pressure Drilling Solutions that Work for You

- The RMES system is available in a variety of combinations to suit the client's specific needs.
- Available as individual components or a fully operating MPD system
- Semi-automatic or fully automatic
- Automatic kick detection of customer's choice
- With back pressure pump or incorporating one of the rig's mud pumps
- Complete installation including all associated piping and equipment
- Vessel can be prepared to accept MPD equipment when required
- All MPD components are manufactured to API and regulatory requirements



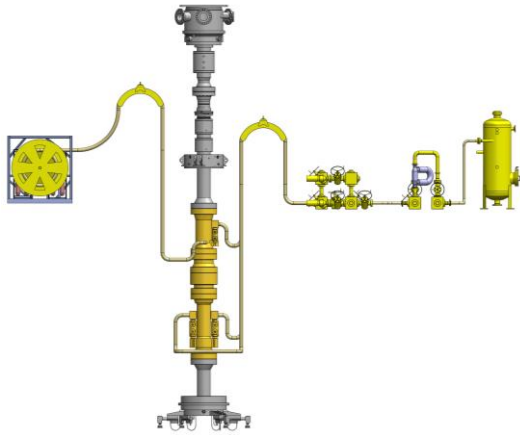
READY RIG CONVERSION SERVICES

- Rig equipment survey prior to MPD ready alterations
- Riser and slip joint modifications and crossovers to RCD
- Detailed measurements of the BOP stack up height for the MPD equipment
- Primary flow line layout and connections - Conventional drilling operations flow path
- Hard piping additions to existing rig equipment for MPD operations
- Trip tank connections
- Location of the MPD Choke and Metering Manifolds
- Details of the rig gas handling systems and interfaces
- Location of RCD controls and power units
- Location of bleed off and equalization lines
- Interfaces with mud loggers
- Data connections to rig systems
- Drill pipe to be used (important for RCD selection)
- Utility tie-in points

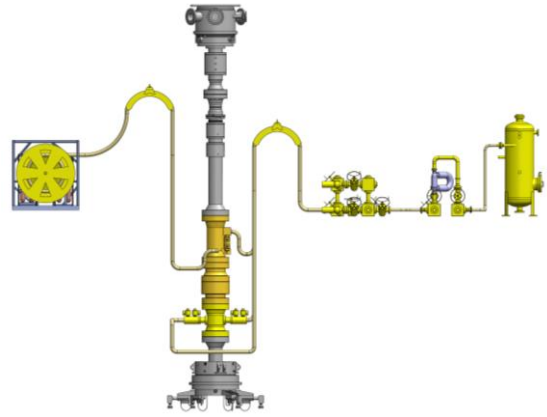




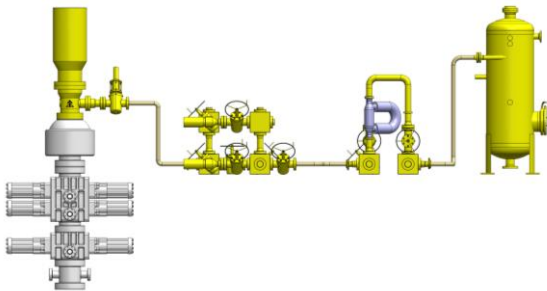
TYPICAL MPD INSTALLATIONS



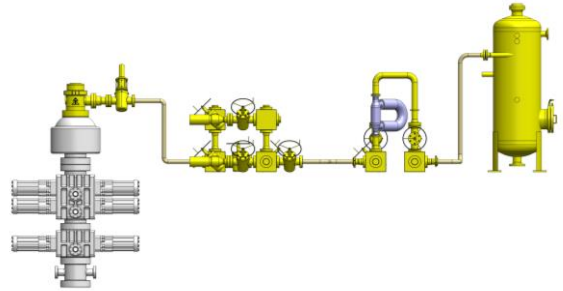
Below Tension Ring (BTR)



Above Tension Ring (ATR)



Jack-Up (JU) Surface Stack



Land Drilling (LD)

REGIONAL MARINE & ENGINEERING SERVICES PTE LTD

A Singapore based company involved with the offshore oil and gas industry for more than 20 years with a commitment to quality, API Q1:9th (Q1-1982) and ISO 9001:2008 (35110) accreditations. Building on its experience of supporting the petroleum business and after investigating future requirements for the industry a commitment was made to support the needs for advancing the technologies for Managed Pressure Drilling (MPD) operations.

RMES' progressive design and service support teams can adapt quickly to customers' needs. With the in house manufacturing and testing capabilities of the company any system modifications can be handled in a fast and efficient manner.

RELIABLE
METICULOUS
EXPERT
STURDY

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