## REGIONAL MARINE & ENGINEERING SERVICES PTE LTD



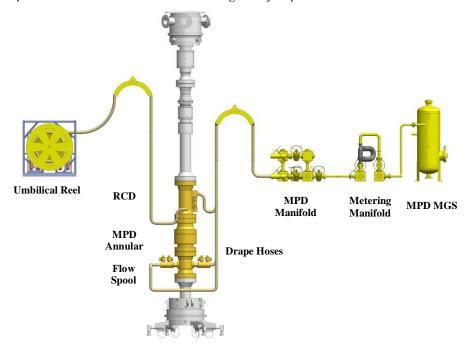
# MPDtrendsetter \*\*



### MANAGED PRESSURE DRILLING SERVICES

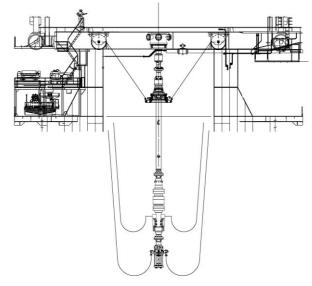
Managed Pressure Drilling Solutions that Work for You

- 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



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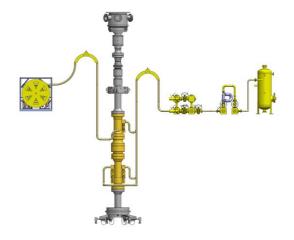
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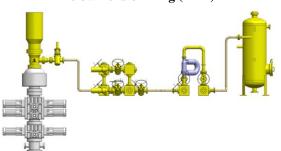
## MPDtrendsetter \*\*\*



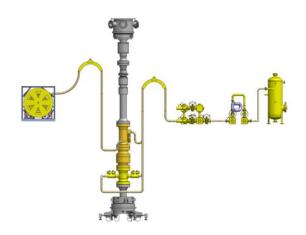
#### TYPICAL MPD INSTALLATIONS



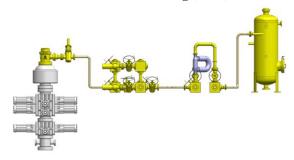
**Below Tension Ring (BTR)** 



Jack-Up (JU) Surface Stack



**Above Tension Ring (ATR)** 



Land Drilling (LD)

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Singapore based company involved with the offshore oil and gas industry for more than 20 years with a commitment to quality, API Q1:9<sup>th</sup> (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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