

02 September 2026

Q3 Forum

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Committee Members



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Christine Lim
DrillWell Committee



Brodie Arbuckle
DrillWell Co-Chair



Ali Kiaie
DrillWell Co-Chair



Agenda

DRILLWELL		
3:00 pm	DrillWell Open	Brodie Arbuckle - Woodside
3:05 pm	ECD-RS: A Simplified Approach to Managing Narrow Drilling Margins	David Dietz - HMM
3:25 pm	Shale Creep as a Barrier	Brodie Arbuckle - Woodside
3:50 pm	State of The Art for Planning and Execution of U-Turn Wells	Neil Armstrong - Merlin
4:15 pm	Delivering Australia's Biggest Frac	Toseef Ahmad - Ingaugle
4:35 pm	Real Time Fluids Monitoring	Paul Burnett – Baker Hughes
4:55 pm	IADC Rig Schedule Update	Martin Flojgaard - IADC
5:05 pm	DrillWell Close	Brodie Arbuckle - Woodside
5:10pm	Networking Drinks & Snacks	



Products & Technology

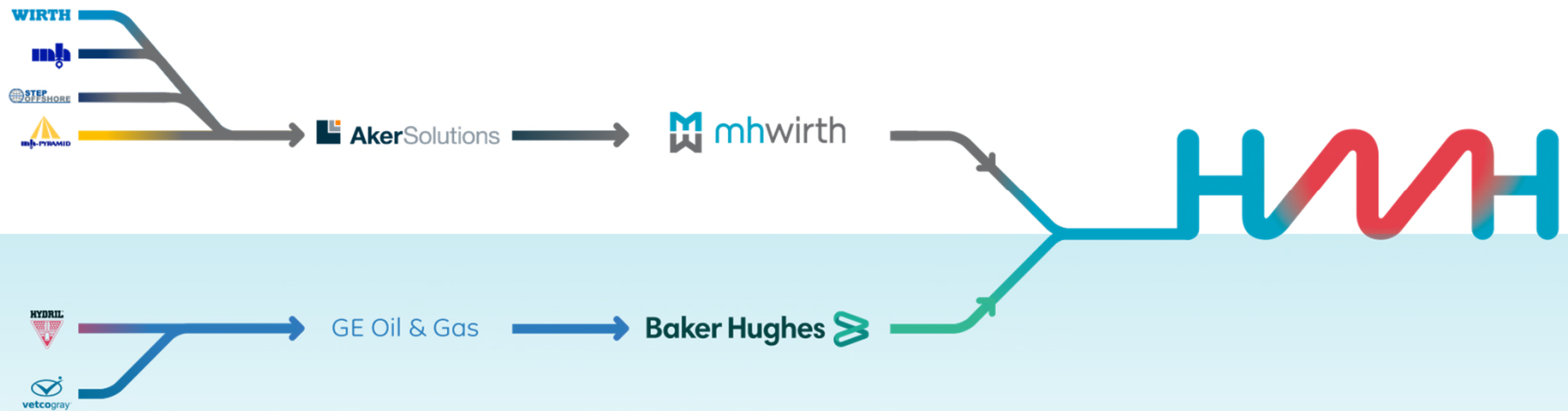
Managed Pressure Drilling

ECD-RS: A Simplified Approach to
Managing Narrow Drilling Margins



A Legacy of Excellence Since 1895

Manufacturing industry-leading drilling equipment for more than 130 years.



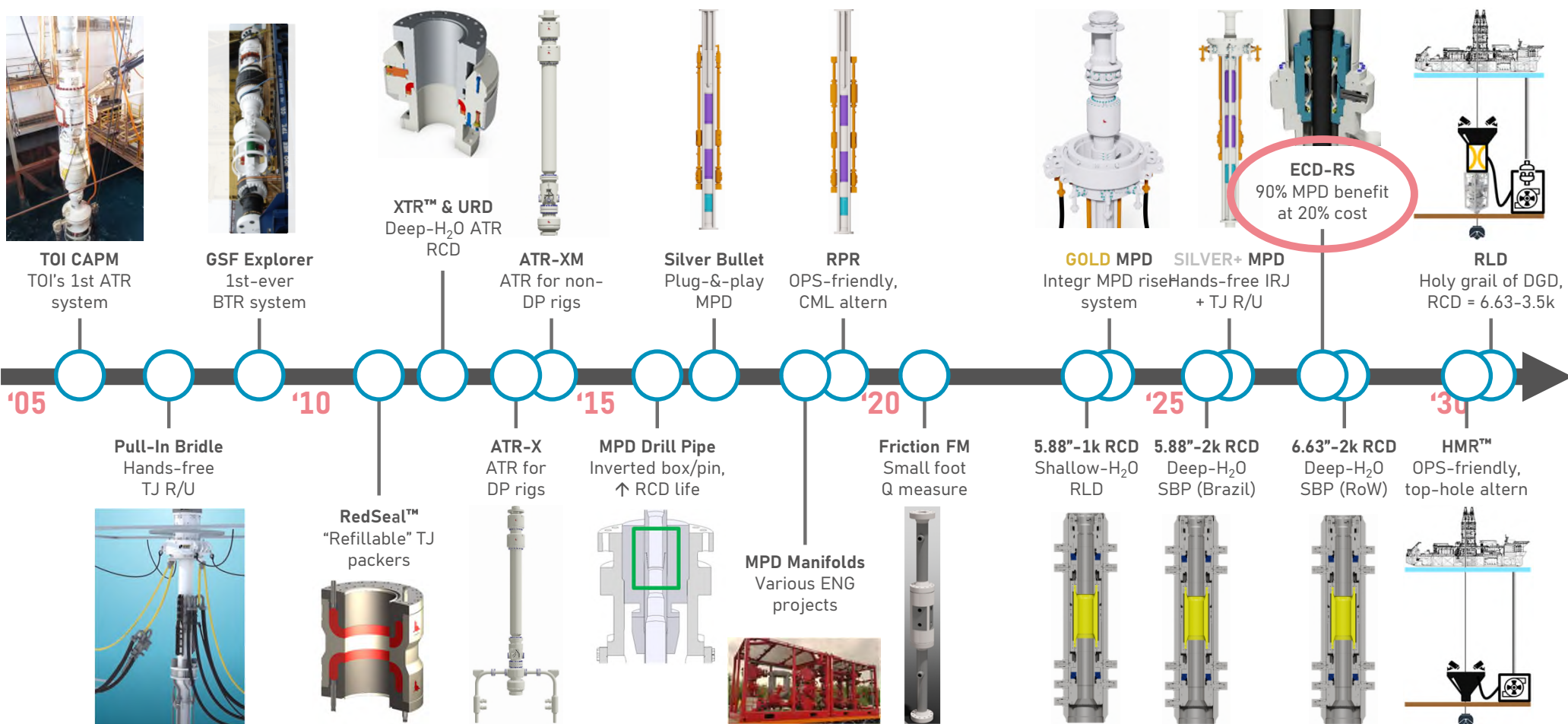
Our Global Presence



2,100+
Employees
Worldwide



Technology Roadmap | Managed Pressure Drilling

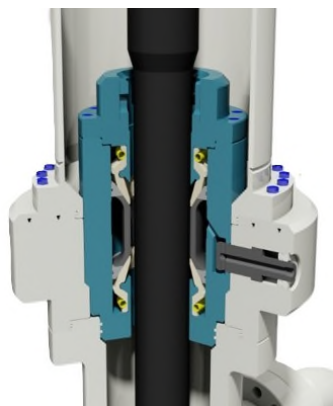




Product Offerings

Surface Back Pressure

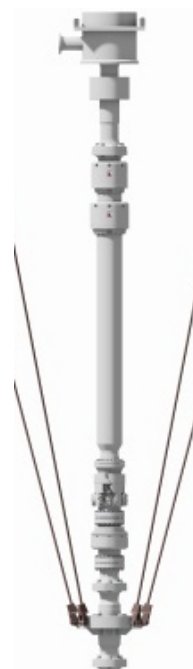
LAND



JACKUP



FLOATER
ABOVE TENSION RING



FLOATER
BELOW TENSION RING

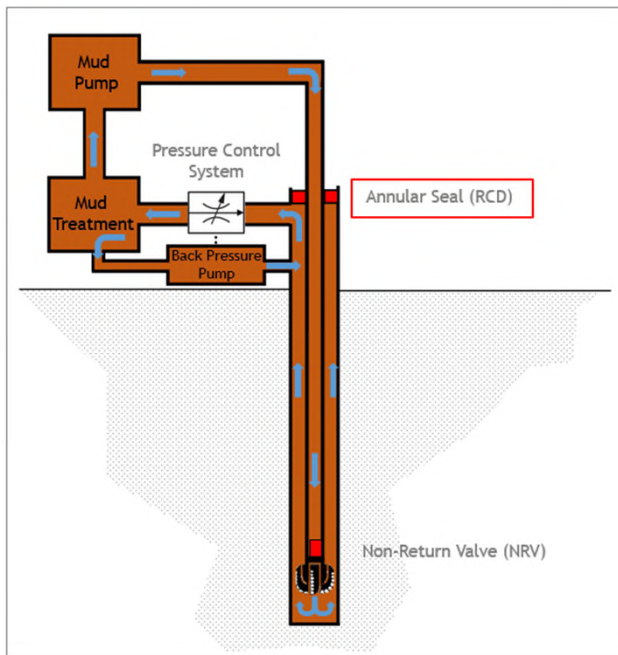


Solutions for any application

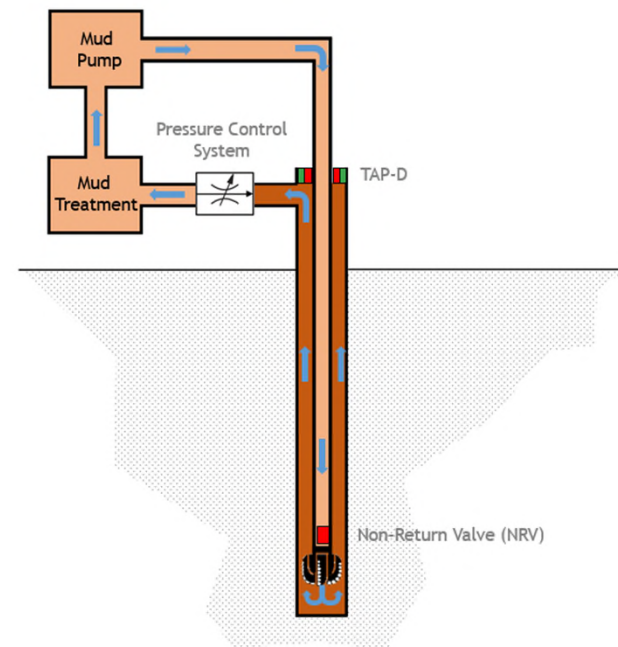
ECD-RS

ECD-RS

Equivalent Circulating Density - Retention System



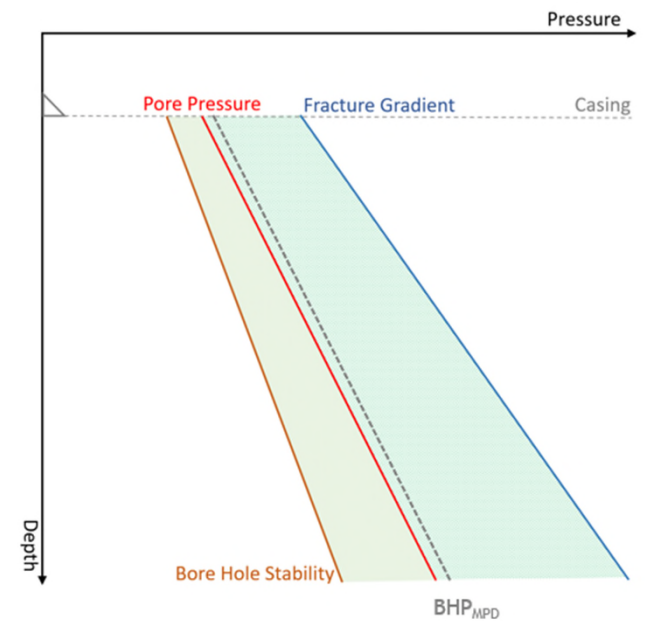
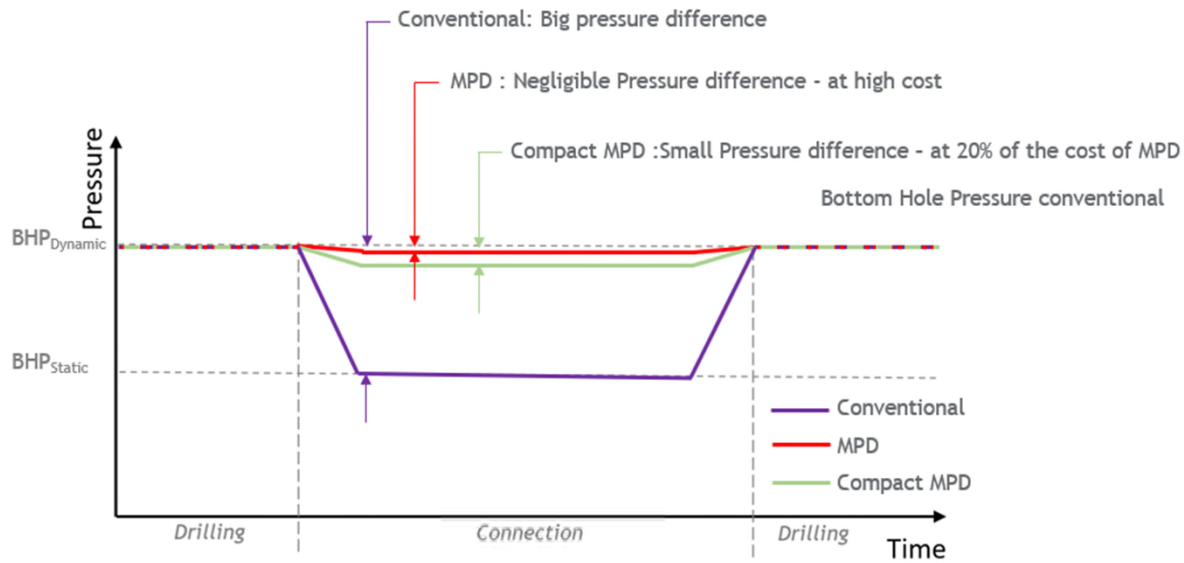
Full MPD



ECD-RS

ECD-RS

Equivalent Circulating Density - Retention System



ECD-RS

Equivalent Circulating Density - Retention System

Project Brief from Client – ‘Compact MPD’

“Research and work to design, manufacture, test and certify a solution to trap mud returns in the drilling riser annulus in order to maintain wellbore pressure while making or breaking pipe connections as the mud pumps shut down.”

Design Criteria

- ❑ 1500 psi MWP Riser Annulus Pressure
- ❑ Drill pipe will be static (set in slips) and non-rotating
- ❑ Fast Acting : energize or retract within 5 seconds
- ❑ To be used in conjunction with remote operated choke system
- ❑ Easy Deployment and Operation – reduced Servco manpower
- ❑ Field serviceable for element change / swap out
- ❑ Utilize API 16RCD as a Design Basis



ECD-RS

Equivalent Circulating Density - Retention System

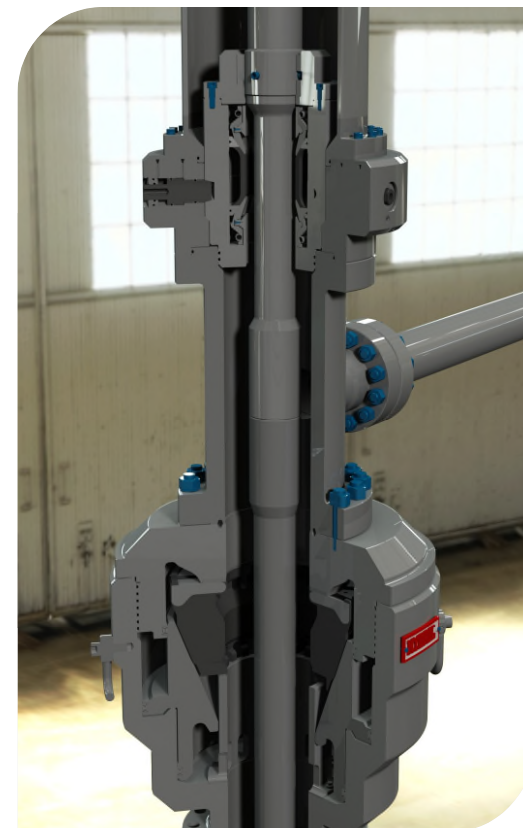
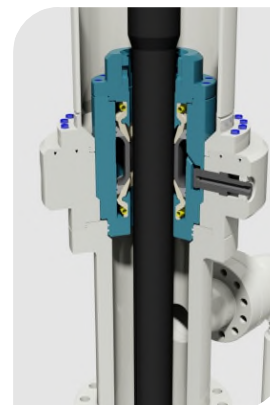
APPLICATION → Mitigate “connection gas” during land drilling OPS

API 16 RCD TEST PROGRAM

- ✓ Hydraulic latch functionality
- ✓ Packer element static pressure (1500 psi)
- ✓ Packer element access test (100 cycles)
- ✓ Packer element fatigue test (14 open / close cycles)
- ✓ Seal characteristics: Constant wellbore & closing pressure

Field Trial Ongoing

90% of MPD benefit at 20% MPD spread cost



ECD-RS

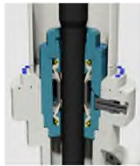
Equivalent Circulating Density - Retention System



- Seal Housing Stripped and Element removed < 10 minutes by removal of 12 cap screws
- Elastomer Sleeve and Anti-Extrusion Finger Assembly simply lift out by hand



Scope of Supply | ECD-RS



ECD-RS

- Fast, safe deployment
- Redundant design
- Retrievable & serviceable



Controls

- Real-time well monitoring
- Automated Choke Control



MPD Manifolds

- Modular, configurable solutions
- Simple I/O interface
- XTRM™ design

HMH
Equipment

HMH Supply
3rd Party Supply



MPD
Software
OEM



Choke
Manifold
OEM

*Fully integrated equipment & software
for seamless pressure management*

