



**DRILLMEC**  
DRILLING TECHNOLOGIES

# MOBILE DRILLING RIGS



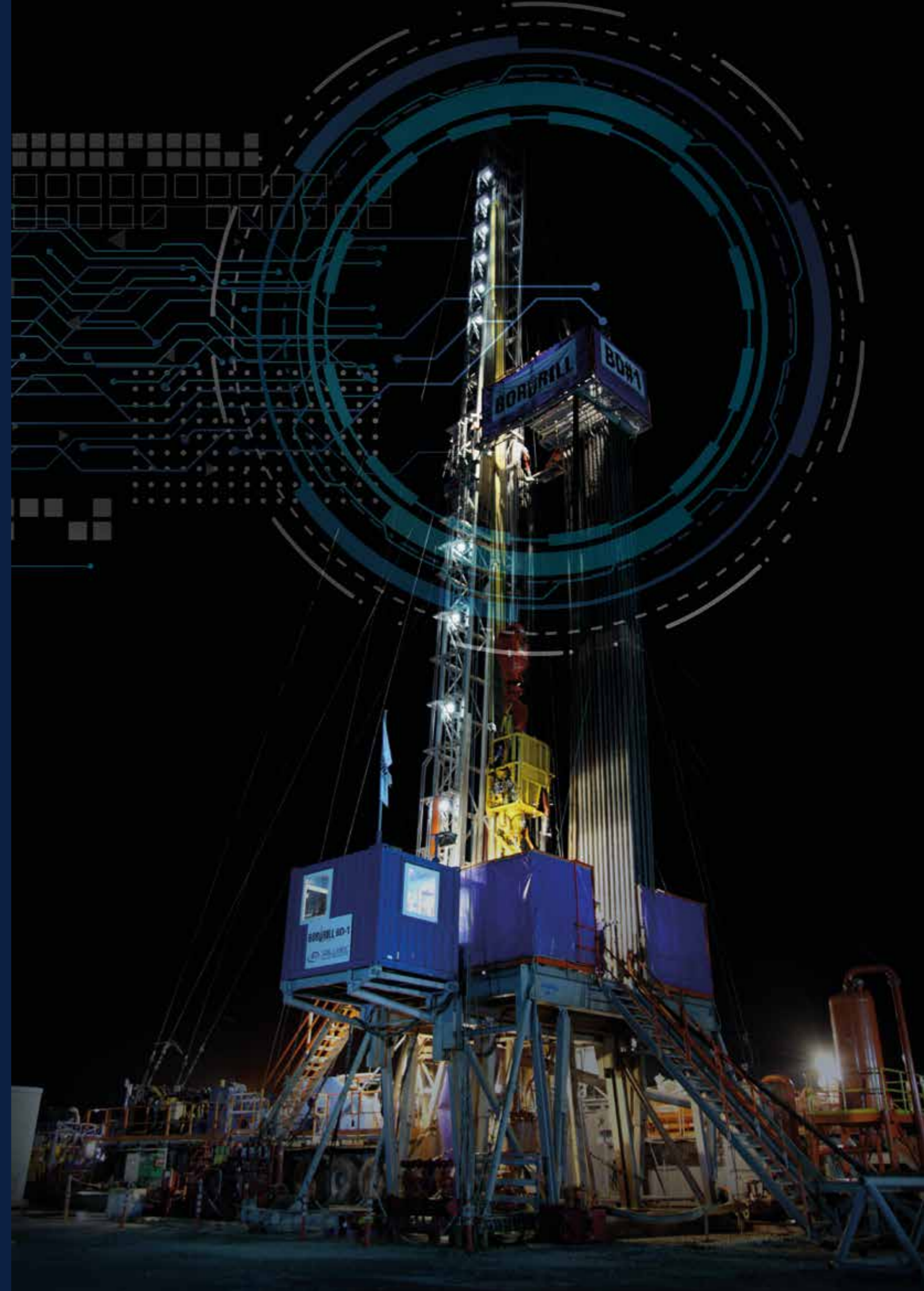
## MOBILE DRILLING RIGS

# Designed to be an easily transportable unit and for quick rig up

Workover rigs are specialized rigs designed for carrying out certain operations in a well. Drillmec is a leader in the production of specialized service rigs, we have rigs that cover a variety of workover operations in the oil and gas industry.

Our service rigs have a wide range of applications and provide the best performance in different situations. Drillmec's mobile drilling rigs are self-propelled, and trailer mounted for easy transportation for a variety of workover well services.

We manufacture a full range of workover rigs with capacities between 60 to 250 metric tons for a variety of well service applications. Our rigs are designed to be electrically or mechanically driven and are built to withstand varying extreme climatic conditions and a variety of terrains. Whether scorching heat of the desert or the bitter cold in the polar region or even the extreme elevation changes of Utica shale, our rigs are ready to deliver optimal performance always.



# MR-3500 | MR-4000

MR 3500 and MR 4000 are the fastest and the smallest rigs of mobile range.

These rigs are suitable for shallow wells drilling and workover operations.

Designed for rotary drilling with mud-direct circulation these rigs are installed on heavy-duty oilfield semitrailer.

A truck mounted version can be supplied for easy transportation and compliance with local road rules.

The control panel is usually located on the mast side for simple and quick use.

## KEY POINTS:

- Static hook load 60 metric tons of (132,000 lbs) to 81 metric tons (178,000 lbs)
- Suitable for -0°C +50°C ambient temperature range
- Pipe handling system can be integrated upon request





## MR-5000 | MR-6000

MR 5000 and MR 6000 are fast workover rigs.

Special outriggers are installed on rig's rear side to which the mast guy lines are connected; therefore no ground anchoring, no ramp, no t-base or concrete works are necessary.

All the rigs are designed for power swivel installation. The drawwork's cooling system is located onboard whereas the swivel power unit can be provided upon request.

The rigs / hoists can be provided with a driller's cabin with a folding arm that allows to keep it installed during the rig move.

### KEY POINTS:

- Static hook load of 113 metric tons (250,000 lbs) to 136 metric tons (300,000 lbs)
- The rear side is fitted with special outriggers meaning it requires no ramp, ground anchoring, t-base or concrete base
- The working floor is foldable to the side of the rig's frame and adjustable in height

# MR-8000

MR-8000 is a drilling rig suitable for oil & gas and geothermal exploration.

A dog house can be provided to accommodate the driller location and the main rig controls.

This rig is ready for top drive installation, such as our hydraulic top drive HTD 250 or our electric top drive ETD 250.

Various type of BOP handling systems enhance safety.

KEY POINTS:

- Static hook load of 200 metric tons (440,000 lbs)
- Diesel or electric powered rigs
- Semitrailer or carrier mounted (available only for diesel version)





## MR-9000 | MR-10000

MR-9000 and MR-10000 are electric powered drilling rig suitable for oil & gas and geothermal exploration.

A dog house can be provided to accommodate the driller's location and the main rig controls.

These rigs are ready for top drive installation, such as our electric top drive ETD 250. Various types of BOP handling systems enhance safety.

### KEY POINTS:

- Static hook load of 113 metric tons (250,000 lbs) to 136 metric tons (300,000 lbs)
- The rear side is fitted with special outriggers meaning it requires no ramp, ground anchoring, t-base or concrete base
- The working floor is foldable to the side of the rig's frame and adjustable in height



# HMDR-1000

HMDR-1000 is a high mobile desert rig. In transport conditions, all the main components remain installed on the semitrailer in order to allow a single trip rig move. The substructure is box on box connected to the rear side of the semitrailer which is equipped with twelve wheels per side. The rotary table and the drawwork are electrically driven, even if a gear driven drawwork can be supplied. An electric top drive can be supplied on request. We manufacture HMDR 1000 up to 320 ton and 1500 hp, depending on customer requests.

## KEY POINTS:

- **Specialized mobile desert rig with 10 lines** and static hook load of 250 metric tons (550,000 pounds)
- **Main components remain on the semitrailer during transportation** ensuring a single trip
- **Workover equipment is electric driven**



MR SERIES		MR-3500	MR-4000	MR-5000	MR-6000	MR-8000	MR-9000	MR-10000	HMDR-1000
Static Hook Load	m ton	60	81	113	136	200	226	250	250
	lbs	132,000	178,000	250,000	300,000	440,000	500,000	550,000	550,000
Number of Lines		6	6	8	8	10	10	10	10
Capacity		Range 2 Single	Range 2 Double	Range 2 Double	Range 2 Double	Range 2 Double	Range 2 Double	Range 2 Double	Range 2 Triple
Mast Clear Height	m	21.6*	33*	35*	35*	35*	35*	40*	41*
	ft	71*	108*	115*	115*	115*	115*	132*	137*
Drawworks Power	kW	186	223	372	372	745	805	1,200	750
	hp	250	300	500	500	1,000	1,080	1,609	1,000
Substructure Height	m	-	3.7 - 4.5	5.2	5.2	5.2 - 6.1	6.1	6.6	7.5
	ft	-	12.1 - 14.7	17	17	17 - 20	20	21.65	24
Mounted On		Semitrailer	Self-propelled	Semitrailer or Self-propelled	Semitrailer or Self-propelled	Semitrailer or Self-propelled**	Semitrailer or Self-propelled**	Semitrailer	Semitrailer for desert

\*from ground floor  
\*\* only diesel version



## PANORAMIC VIEW

# Equipment to configure full rigs or as stand alone

### DRILLING CONTROL SYSTEMS

Several solutions are available for data acquisition, and monitoring included in DEEP (Drillmec's Embedded Efficiency Platform) which incorporates machine learning and artificial intelligence to fulfill new requirements for system integration of the whole drilling package. Further more for driller's comfort we offer a complete range of equipment including cyber chair, driller's cabin in various configurations and single units for electrical mobile rigs.

### FLUIDS SYSTEMS

**MUD PUMPS:** our triplex mud pumps available for mobile rigs are the models: 7T450, 7TS600, and 9T100. The mud pump can be mounted on skid or on individual trailer or on power trailer for more than one pump. For light workover operations mud pump can be combined with brine tanks, filtering system or with generators in one trailer to optimize loads, minimize connections and move faster.

### ROTATION EQUIPMENT

**TOP DRIVES:** a full range of top drives can be fitted to almost any rig in order to increase the performance in drilling. The hydraulic series includes HTD-150 and HTD-250, whilst it is available an electrically powered ETD-250. **ROTARY TABLES:** our rotary tables "R Type" are designed, in accordance with the industry standards and fits the following sizes: 17 1/2", 20 1/2" and 27 1/2".

### STRUCTURE EQUIPMENT

Mobile rigs come in different designs depending on operations, drilling conditions and requirement. Masts can be fixed, telescopic, self-standing or with compact guidelines. As for structure they can be telescopic, parallelogram, on wheels or integrated with the rig's trailer. All platforms are foldable and adjustable for different positions.

### HOISTING EQUIPMENT

**DRAWWORKS:** our drawworks for the mobile rigs can be band brake or disk brake. They can be driven by chain or by an integrated gear box. Auxiliary brakes can be electrical, pneumatic or hydraulic. Our drawworks can be adapted to older OEM rigs to upgrade existing rigs or modernize conventional rigs to raise safety standards as well as work efficiency.

### HANDLING SYSTEMS

We offer a series of equipment for rig automation including: pipe guide arms, power catwalks for rig floors up to 61 m | 197 ft, APC 50 / APC 100.







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