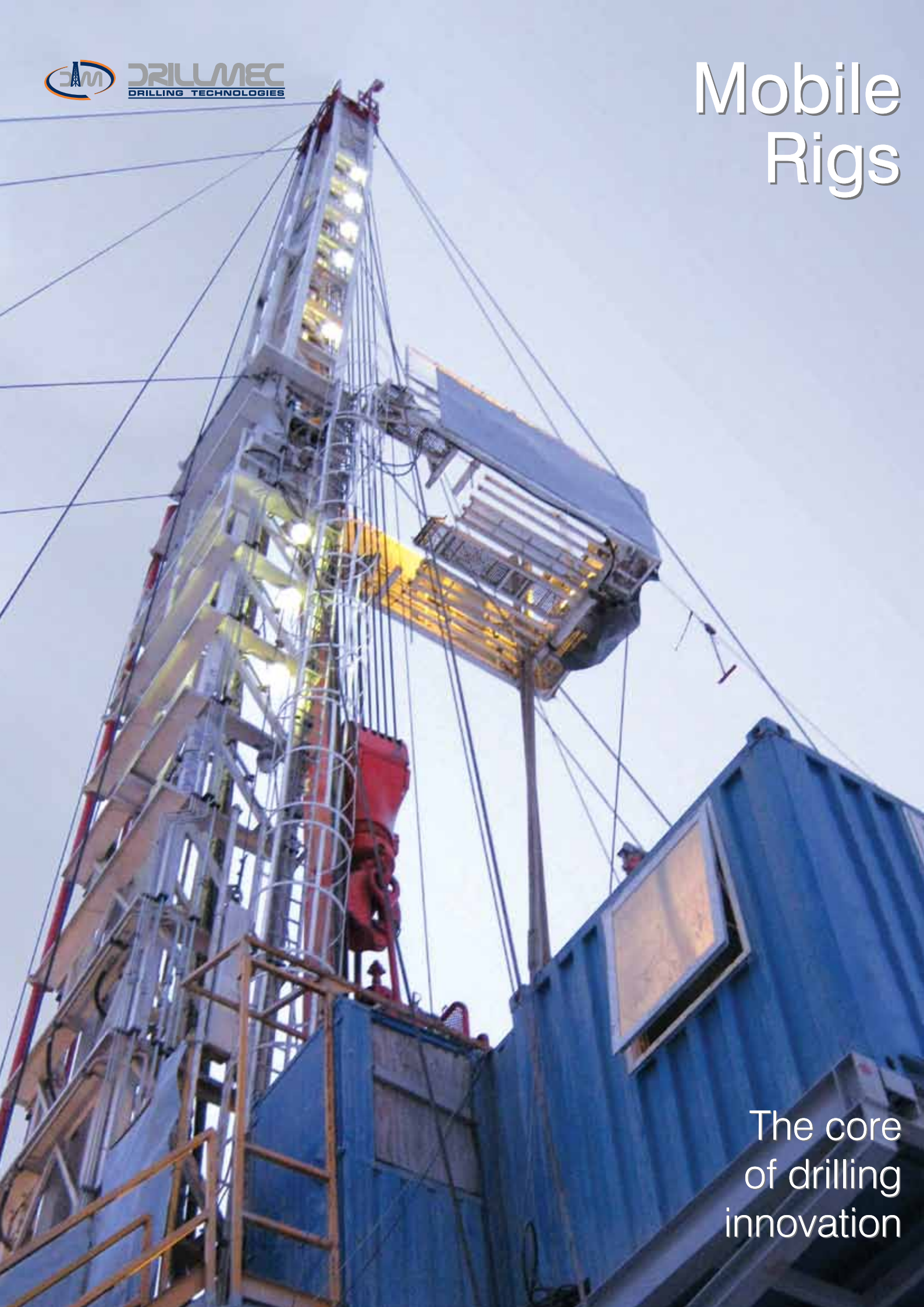


Mobile Rigs



The core
of drilling
innovation



MR Series

Drillmec MR Series mobile trailer and self-propelled rigs are used for conventional drilling, workover and well service applications.

Drillmec covers this variety of applications by manufacturing a full range of rigs' capacities from 60 up to 250 metric tons. The drawworks, carrier and mast capacities are combined to provide the best performances.

The MR Series fully mechanically driven rigs are designed to ensure ease of operation in a wide variety of terrains and extreme climatic conditions.

The MR Series design enables it to be inherently agile in order to access from the extreme heat of the Sahara desert, to the bitter cold of the Siberian tundra or the challenging elevation changes of the Utica shale.

FRAME
SEMITRAILER
CARRIER
TRUCK

POWER
DIESEL
ELECTRIC
P.T.O.

RANGE
SINGLE
DOUBLE
TRIPLE



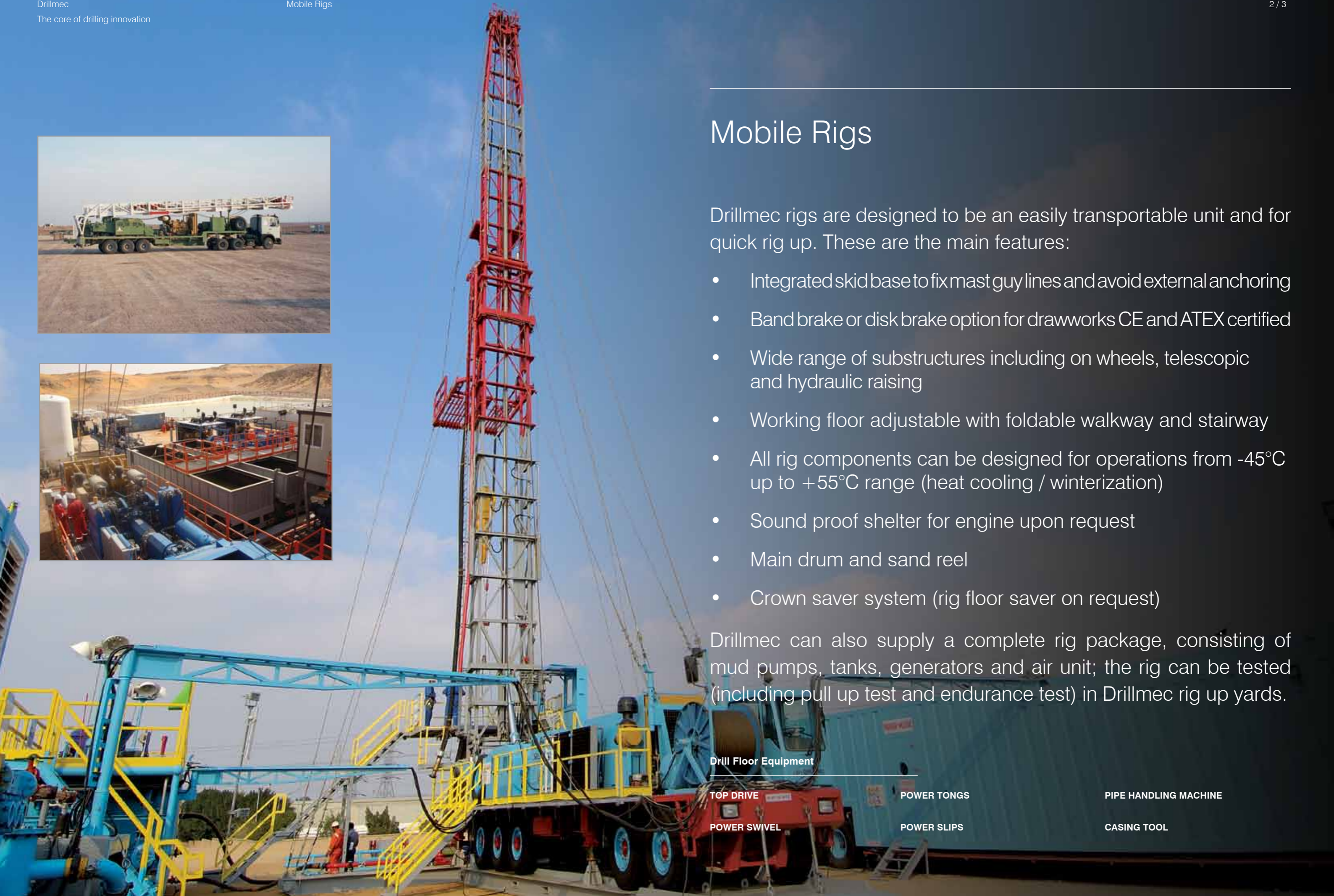


Mobile Rigs

Drillmec rigs are designed to be an easily transportable unit and for quick rig up. These are the main features:

- Integrated skid base to fix mast guy lines and avoid external anchoring
- Band brake or disk brake option for drawworks CE and ATEX certified
- Wide range of substructures including on wheels, telescopic and hydraulic raising
- Working floor adjustable with foldable walkway and stairway
- All rig components can be designed for operations from -45°C up to $+55^{\circ}\text{C}$ range (heat cooling / winterization)
- Sound proof shelter for engine upon request
- Main drum and sand reel
- Crown saver system (rig floor saver on request)

Drillmec can also supply a complete rig package, consisting of mud pumps, tanks, generators and air unit; the rig can be tested (including pull up test and endurance test) in Drillmec rig up yards.



Drill Floor Equipment

TOP DRIVE

POWER SWIVEL

POWER TONGS

POWER SLIPS

PIPE HANDLING MACHINE

CASING TOOL

Model		MR 3500	MR 4000
Static Hook Load	lbs	132,000	200,000
	m ton	60	90
Number of Lines		6	6
Capacity		Range 2 Single	Range 2 Double
Mast Clear Height	ft	62 from ground	95 from drill floor
	m	18.9 from ground	29 from drill floor
Drawworks Drum (d x l)	in	15 x 24	19 x 28
	mm	381 x 610	489 x 701
Input Power	hp	250	300
Main Brake		Band	Band or Disk
Auxiliary Brake		Hydromatic	Hydromatic or Pneumatic Disk
Drill Line	in	7/8"	1"
	mm	22.2	25.4
Power Pack		Caterpillar C13	Caterpillar C13
Substructure Height	ft	15	16
	mm	4500	4800
Working Platform Height	ft	from 4.6 to 5.2	from 5 to 8.2
	mm	from 1400 to 1600	from 1500 to 2500
Rotary Table	in	20.5 (optional)	20.5
	mm	521 (optional)	521
Standpipe	psi	3,000	5,000
Mounted on / Remarks		Semitrailer or Carrier	Truck also for Standard Road

MR 3500 - MR 4000

MR 3500 - MR 4000 are the fastest and the smallest rigs of mobile range. These rigs are suitable for shallow wells and workover operations. A truck mounted version can be supplied for easy transportation and compliance with local road rules. On request, frontal pipe handling machine can be provided. The control panel is usually located on the mast side for simple and quick use.



Model		MR 5000	MR 6000
Static Hook Load	lbs	250,000	300,000
	m ton	113	136
Number of Lines		8	8
Capacity		Range 2 Double	Range 2 Double
Mast Clear Height	ft	115 from ground	98 from drill floor
	m	35 from ground	29.9 from drill floor
Drawworks Drum (d x l)	in	18 x 38	18 x 38
	mm	457 x 965	457 x 965
Input Power	hp	500	500
Main Brake		Band or Disk	Band or Disk
Auxiliary Brake		Hydromatic or Pneumatic Disk	Hydromatic or Pneumatic Disk
Drill Line	in	1.1/8"	1.1/8"
	mm	28.6	28.6
Power Pack		Caterpillar C15	Caterpillar C15
Substructure Height	ft	-	17
	mm	-	5,200
Working Platform Height	ft	from 5.8 to 16.5	-
	mm	from 1760 to 5040	-
Rotary Table	in	-	27.5
	mm	-	700
Standpipe	psi	5,000	5,000
Mounted on / Remarks		Semitrailer or Carrier	Semitrailer or Carrier

MR 5000 - MR 6000

MR 5000 - MR 6000 are fast workover rigs. Special outriggers are installed on rig's rear side and hydraulically pulled out/in, where mast guy lines are connected. Therefore no ramp, 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 upon request. The working floor is adjustable in height and foldable on the rear side of the rig's frame. Sand reel can be used as a swabbing unit.



MR 8000 - MR 9000

MR 8000 - MR 9000 are drilling rigs suitable for oil & gas and geothermal exploration, diesel or electric powered.

A dog house can be provided to accommodate the driller location and the main rig controls. These rigs are ready for top drive installation, such as Drillmec hydraulic top drive HTD 250. Various type of BOP handling systems enhance safety.

MR 9000 is especially designed and built by Seismotekhnika factory in Belarus for low temperature and arctic conditions in compliance with Russian standards.

Model		MR 8000	MR 9000
Static Hook Load	lbs	440,000	550,000
	m ton	200	250
Number of Lines		10	10
Capacity		Range 2 Double	Range 2 Double
Mast Clear Height	ft	115 from drill floor	115 from drill floor
	m	35 from drill floor	35 from drill floor
Drawworks Drum (d x l)	in	26 x 42.1/2"	26 x 42.1/2"
	mm	660 x 1080	660 x 1080
Input Power	hp	1,000	1,000
Main Brake		Band or Disk	Band or Disk
Auxiliary Brake		Hydromatic or Pneumatic Disk	Hydromatic or Pneumatic Disk
Drill Line	in	1.1/8"	1.1/8"
	mm	28.6	28.6
Power Pack		2 x Caterpillar C15 or Electric Motors	2 x Caterpillar C15
Substructure Height	ft	20	20
	mm	6,100	6,100
Working Platform Height	ft	-	-
	mm	-	-
Rotary Table	in	27.5	27.5
	mm	700	700
Standpipe	psi	5,000	5,000
Mounted on / Remarks		Semitrailer or Carrier [Carrier mast clear height: 101 ft]	Semitrailer or Carrier [For low temperature]



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. (Gear driven drawwork can be supplied).

An electric top drive can be supplied on request; Drillmec manufactures HMDR 1000 up to 320 ton and 1500 hp, depending on customer requests.

Model		HMDR 1000
Static Hook Load	lbs	550,000
	m ton	250
Number of Lines		10
Capacity		Range 2 Triple
Mast Clear Height	ft	137 from rig floor
	m	41 from rig floor
Drawworks Drum (d x l)	in	30 x 55.1/4"
	mm	762 x 1403
Input Power	hp	1,000 (2 Electric Motors)
Main Brake		Disk
Auxiliary Brake		Electromagnetic
Drill Line	in	1.1/4"
	mm	31.75
Power Pack		2 x Electric Motors
Substructure Height	ft	24
	mm	7,500
Working Platform Height	ft	-
	mm	-
Rotary Table	in	27.5 (independent drive)
	mm	700 (independent drive)
Standpipe	psi	5,000
Mounted on / Remarks		Semitrailer for Desert



Quality System



Policy

Drillmec has always viewed continuous improvement of company processes and complete satisfaction of customer's needs as essential factors for standing out on the highly complex, competitive oil and gas market. Drillmec's Quality System and HSE System are essential tools for achieving its business goals.

In accordance with its general aims and strategies for growth, Management promotes:

- The central role of the customer
- Full involvement of all personnel to ensure complete awareness of the significance and importance of their work and how they can contribute to achieving quality goals, environment, health and safety protection
- Continuous improvement of the quality of products and services, especially through a strong drive toward technological innovation
- Continuous improvement of process performance
- Safeguarding of the environment and protection of workers' health and safety. Such commitment is widespread not only to our workers, but even to our subcontractors and suppliers.

All drilling equipment are matched to provide optimal performance with keen attention paid to reliability and running costs.

Certifications

Drillmec SpA and Drillmec INC quality management systems are certified by API (American Petroleum Institute), DNV (DNV Business Assurance), RTN (Rostekhnadzor) and CU-TR (Russian approval) and can also work under NORSOK, ABS and RMRS, if required by the client.

- | | |
|--------------|--------------------|
| API 4F-0062 | CU-TR 0529642 |
| API 6A-0492 | CU-TR 0982253 |
| API 7-1-0305 | CU-TR 0529643 |
| API 7K-0045 | CU-TR 0529646 |
| API 8C-0041 | CU-TR 0529647 |
| API 16A-0112 | |
| API ISO-0076 | RTN: PPC 00-047448 |
| API Q1-0527 | |
| API 4F-0058 | |

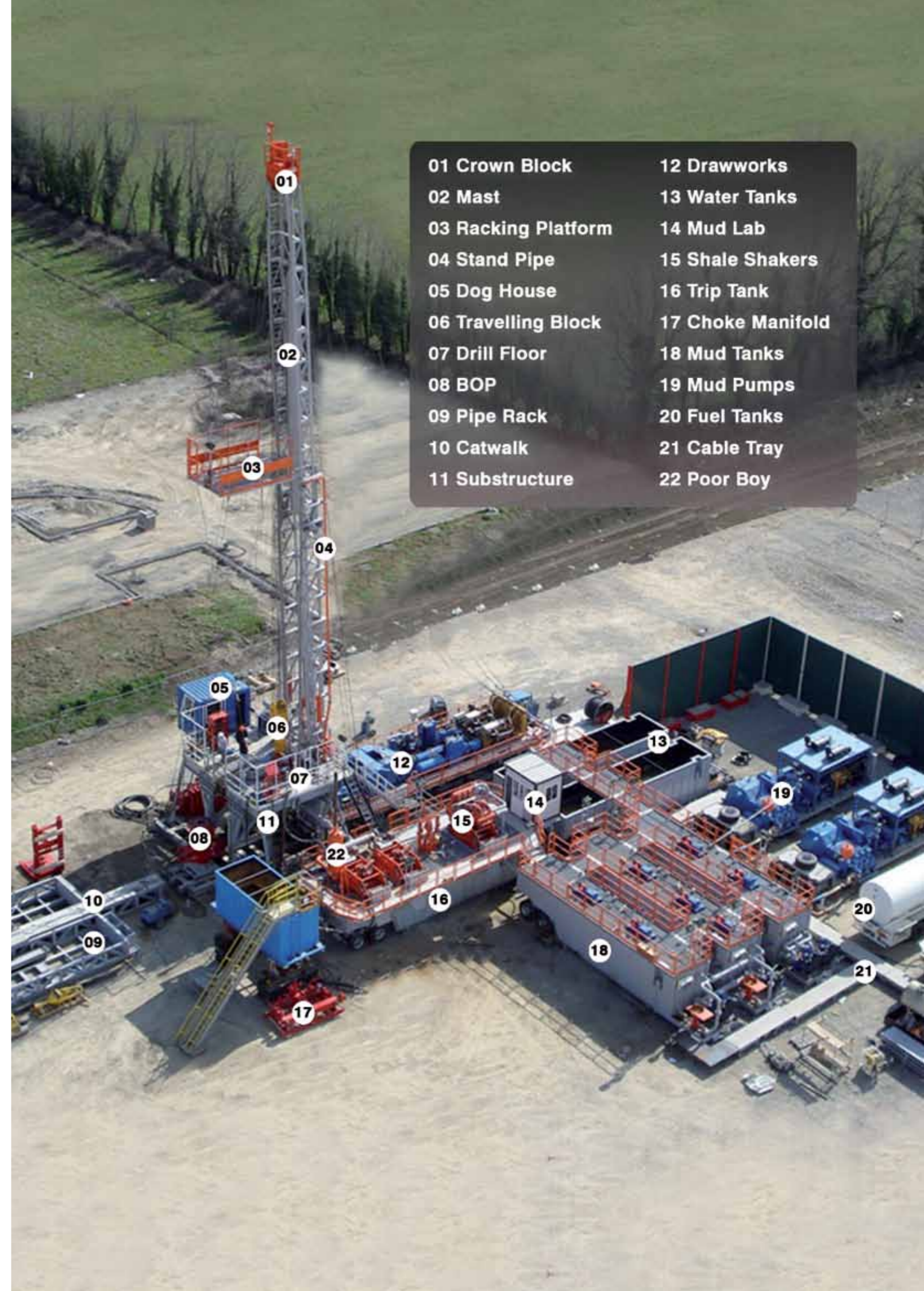
- ISO 9001:2008
- ISO 14001:2004
- OHSAS 18001:2007



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- | | |
|---------------------|-------------------|
| 01 Crown Block | 12 Drawworks |
| 02 Mast | 13 Water Tanks |
| 03 Racking Platform | 14 Mud Lab |
| 04 Stand Pipe | 15 Shale Shakers |
| 05 Dog House | 16 Trip Tank |
| 06 Travelling Block | 17 Choke Manifold |
| 07 Drill Floor | 18 Mud Tanks |
| 08 BOP | 19 Mud Pumps |
| 09 Pipe Rack | 20 Fuel Tanks |
| 10 Catwalk | 21 Cable Tray |
| 11 Substructure | 22 Poor Boy |

For further information...

If you would like further information about our company, products or services, please don't hesitate to get in touch with us. You can do this in a number of ways...

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