MUDCUBE®

By Cubility

US, Onshore

SHAKING UP THE INDUSTRY

The Challenge:

Hundreds of millions of dollars of drilling fluid are lost every year as ‘mud on cuttings’ in shale shakers. This represents a chronic value erosion problem to the industry. One that cannot be solved using traditional thinking.

The Solution:

MudCube is playing a vital role in helping operators, both onshore and offshore, reduce costs, increase drilling efficienciesand recover in the area 30-40% moremud than competing technologies.

A SAFER, MORE EFFICIENT METHOD

MudCube is a modern, lightweight and more efficient alternative to traditional shale shakers that, instead of high G-force vibration, combines high airflow through a rotating filterbelt with micro vibrators underneath to more effectively separate all types of drilling fluids from drilled solids.

The field-proven results of MudCube include highter drilling efficiencies, reduced operational costs, better HSE and working conditions, and effective cuttings disposal.

A direct comparison, offshore Malaysia.

Traditional shakers

- High mud loss
- High noise and vibration
- Extensive exposure to mist and vapour

MudCube

- Drier cuttings
- Less waste
- Improved HSE conditions

Up to 80% less mud on cuttings. See for yourself using the QR code or type MudCube into your YouTube search bar.

UPGRADE YOUR OPERATIONS WITH COST-REDUCING TECHNOLOGY

The power of the MudCube has been demonstrated in the field time and time again. Why are operators and drilling contractors replacing shakers with MudCubes? Some of the most important replacement reasons include:

Cost reduction

- Reduce mud losses by 30-40%
- Reduce drilling waste weight by 30-40%
- Better LSG control
- Improve mud quality

HSE risk reduction

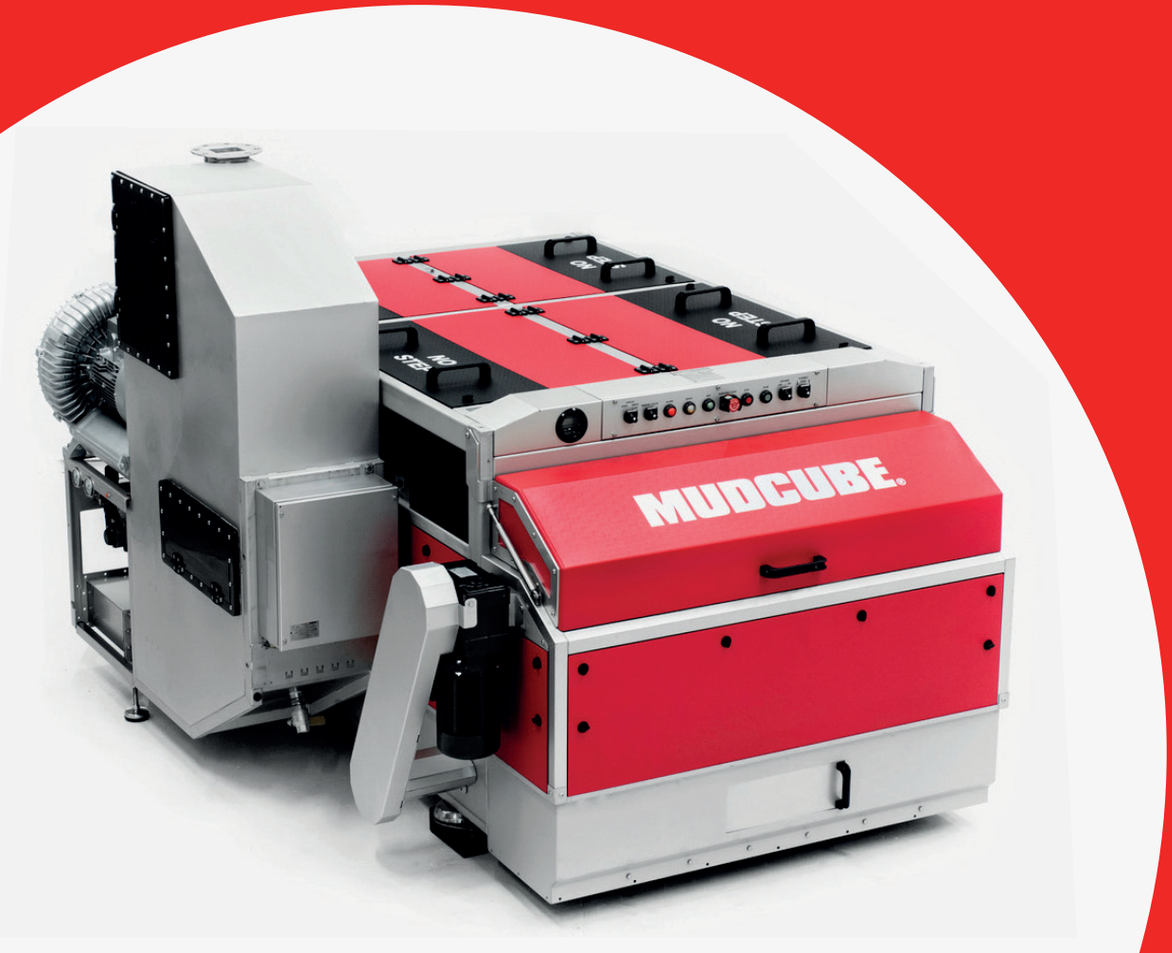
- No exposure to fumes, extreme vibration or excessive noise
- Safe cuttings monitoring for geologists

Reduced burden onrig personnel

- Integrated CCTV camera for remote monitoring
- Automated warning for damaged filter belts (screens)
- Built-in filter belt (screens) cleaning, no need for manual high pressure washing.
- Only 1 filter belt per MudCube, replacement time 3 minutes

A North American land operation using MudCubes.

INTRODUCING THE LATEST EVOLUTION!



We have listened carefully to the industry's need for faster drilling times and lower costs. The MudCube X is our response.

The result of seven years of experience

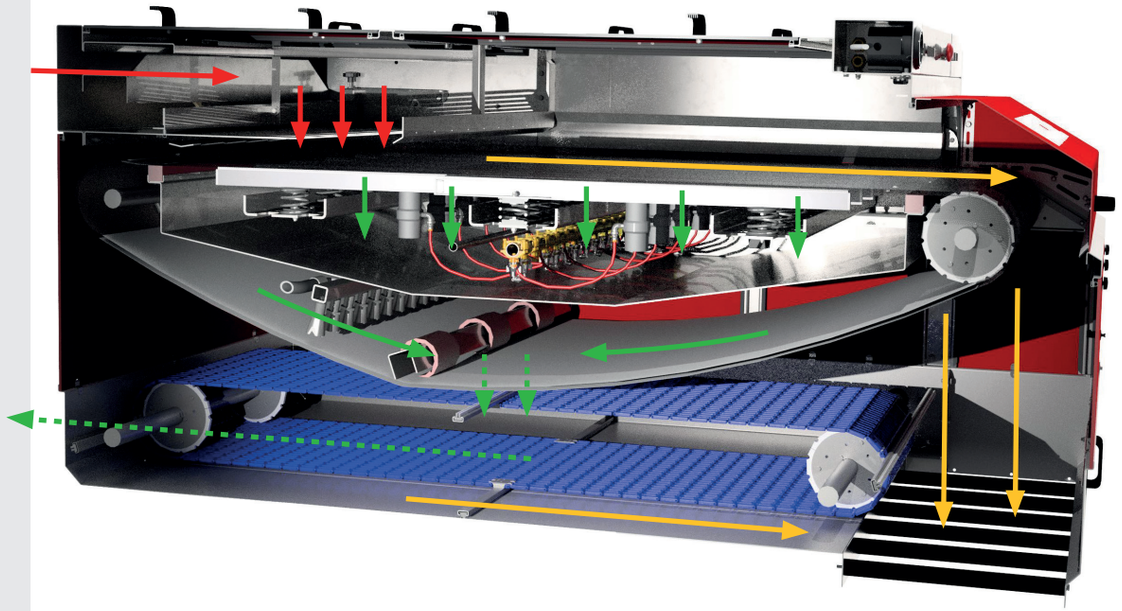
The MudCube X, which builds on the capabilities of our industry leading, field-proven solution, features:

- An enhanced modular design
- Easy integration into all rig designs
- Fast and easy installation and maintenance
- Accelerated return on investment for both operators and drilling contractors

The MudCube X is engineered to allow manufacturing and/or assembling worldwide, so providing exceptional drilling efficiency and HSE performance whilst maximising in-country expertise and speeding up delivery and time to market.

HOW IT WORKS

- Drilling fluid and cuttings inlet
- Clean drilling fluid
- Drill cuttings



Technical specifications

General Specifications	SI Units	Oil Field Units
MudCube Unit: Length / Width / Height	2785 / 2171 / 1796 mm	109.6 / 85.5 / 70.7 in
Weight of MudCube	1600 kg	3528 lb
Hydraulic capacity	6000 lpm	1590 gpm
Vacuum Pump Airflow	840 m^3/h	495 cfm
Ambient Temperature	-20 → 50°C	-4 → 122°F
Design Mud Temperature	85°C	185°F
Filterbelt (screen) mesh sizes API 13C standard	50, 60, 70, 80, 100, 120, 140, 170, 200, 230, 270, 325	
MudCube Body Material	316 L stainless steel	
Certification	ATEX Zone 1, Temp class T3, Gas group IIB	

Air & Power Requirements	SI Units	Oil Field Units
Electrical Power Supply 440 (690) VAC, 50/80Hz	8 kW	11 HP
Compressed Air Supply (continuous)	1,94 Nm^3 /min @ 6 barg	69 cfm @ 87 psig
Compressed Air Supply (intermittent)	4,5 Nm^3 /min @ 4 barg	159 cfm @ 58 psig

WORDS FROM OUR CLIENTS

— At present there is no other mud fluid treatment system at the same level as the MudCube, either environmentally or economically.

Magnus Florvaag,
Drilling Manager,
DONG E&P Norway

—— MudCubes have high operating regularity and Cubility's ability to support and consult our clients is very good. The support from Cubility during operation is also something that is especially important.

Geir Skjevik,
Rig Manager,
Scarabeo 5

—— Cubility committed the necessary resources to meet their deliveries in connection with the installation of the MudCubes and the upgrading of the Maersk Giant. Cubility has shown great commitment both at the installation stage and in the follow-up during start-up.

Per Gøbel,
Senior Director,
Harsh Environment Jack-Ups,
Maersk Drilling

Chevron · OXY · equinor · Eni Saipem · DONG energy · MAERSK DRILLING · HESS · MURPHY OIL CORPORATION · NEW TECH SOLIDS INC. · Shell · ارامكو السعودية Saudi Aramco · STAGE 3 SEPARATION

Cubility has years of operational experience with multiple customers in different geographies onshore and offshore.

This is Cubility

Cubility AS is based in Sandnes, Norway. Cubility's products are distributed globally through a growing partner network.

New partner?

We are always on the look for new professional partners around the world. Do you want to be one? Please contact our sales team!

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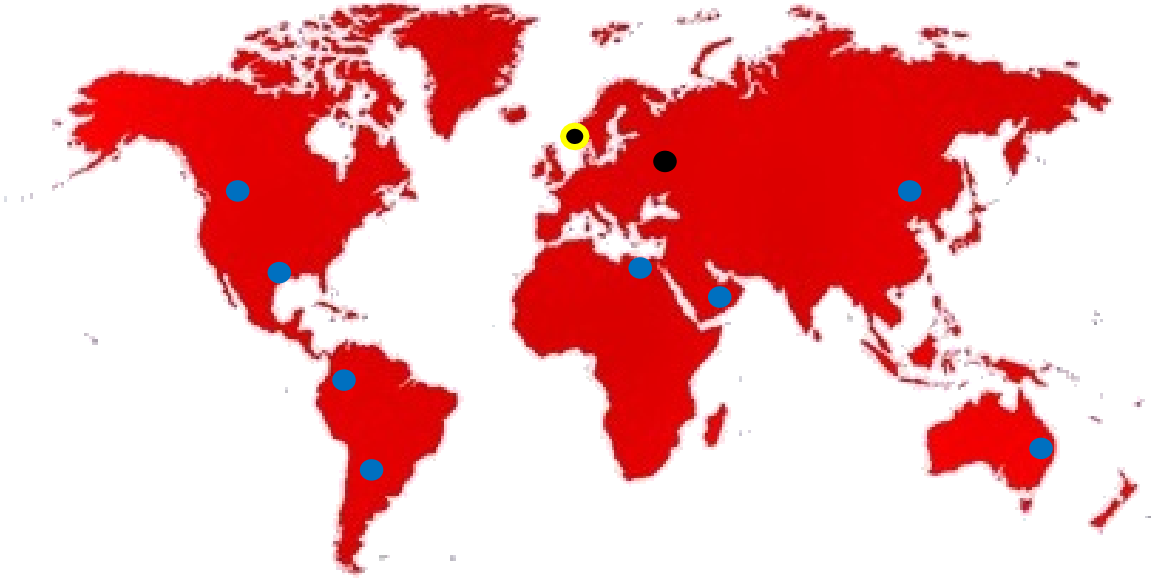
Worldwide presence



Cubility office locations:

HQ – Sandnes, Norway

Regional office: Moscow, Russia

Distribution partner network:

Canada – USA – Colombia – Argentina – Egypt – GCC (Oman) – China - Australia

Annual CO_2e savings / MudCube

≈ emmisions from 15 cars

Calculated by: CARBON-ZERO

CUBILITY®

cubility.com