

**MudCube**®

By Cubility



# SHAKING UP THE INDUSTRY

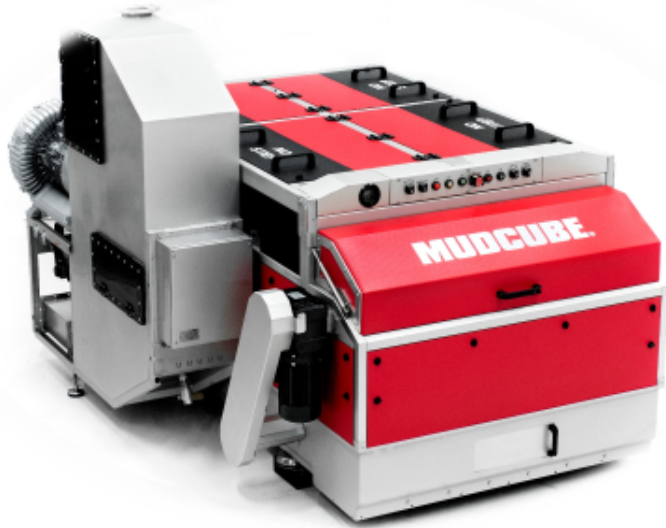
## **The Challenge:**

Hundreds of millions of dollars worth of drilling fluid are lost every year as 'mud on cuttings' from use of 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, by reducing costs, increasing drilling efficiencies and recovering in the area 30-40% more mud than competing technologies.

# A SAFER, MORE EFFICIENT AND SUSTAINABLE 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 drilled solids from all types of drilling fluids.

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



## 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 OPERATION 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 LGS control
- Improve mud quality

## HSE risk reduction

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

## Reduced burden on rig personnel

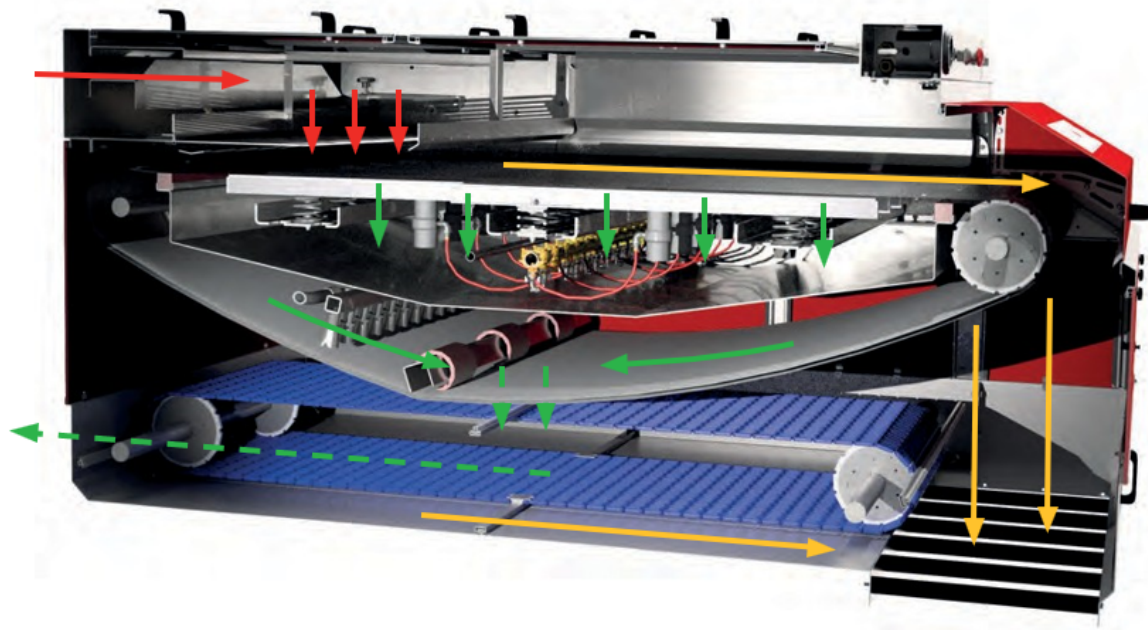
- Integrated CCTV camera for remote monitoring (optional)
- Automated warning for damaged filter belts (screens)
- Built-in filter belt (screens) cleaning, no need for manual high pressure washing.
- Only 1 filter belt per MudCube, replacement time 3 minutes



A North American land operation using MudCubes.

# HOW IT WORKS

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



## Technical specifications

General Specifications	SI Units	Imperial
MudCube Unit: Length / Width / Height	2785 / 2171 / 1796 mm	109,6 / 85,5 / 70,7 in
Weight of MudCube	1600 kg	3528 lb
Vacuum Pump Airflow	840 m <sup>3</sup> /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	20, 30, 40, 50, 60, 70, 80, 100, 120, 140, 170, 200, 230, 270, 325	
Active filtration area	2,5 m <sup>2</sup>	26.9 ft <sup>2</sup>
Total effective screen area	6,85 m <sup>2</sup>	73.7 ft <sup>2</sup>
MudCube Body Material	316 L stainless steel	
Certification	ATEX Zone 1, Temp class T3, Gas group IIB	

Air & Power Requirements	SI Units	Imperial
Electrical Power Supply 440 (690) VAC, 50/60Hz	8 kW	11 HP
Compressed Air Supply (continuous)	1,94 Nm <sup>3</sup> /min @ 6 barg	69 cfm @ 87 psi
Compressed Air Supply (intermittent)	4,5 Nm <sup>3</sup> /min @ 4 barg	159 cfm @ 58 psi

# WORDS FROM OUR CLIENTS

“The application of the MudCube not only saves cost, but also achieves the goal of reduced environmental footprint and increased drilling efficiency. “

Sinopec, Web Page  
China

“Using MudCube enabled us to:

- Reduce mud lost on cuttings
- Reduce waste volumes
- Reduce noise levels
- Improve safety”

Baikit Oil and Gas  
Russia



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



# REDUCING YOUR ENVIRONMENTAL FOOTPRINT

No one can do everything, but everybody can do something

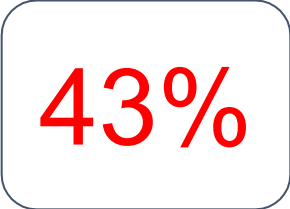


Verified by



..... when replacing your shakers with MudCubes

Reduce Co2 Emission



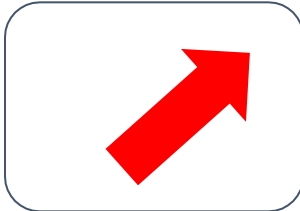
Less CO<sub>2</sub>e

Reduce Waste



Less waste

Health and well-being



Better working environment



# 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 location

 HQ – Sandnes, Norway     Regional offices – Santiago, Chile

## Distribution partner network

Europe – Canada – USA – Chile – Brazil – Colombia – Argentina – GCC – China – India – Singapore – Australia



