

**PURECUBE®**  
By Cubility

## Taking better care of resources through technical evolution

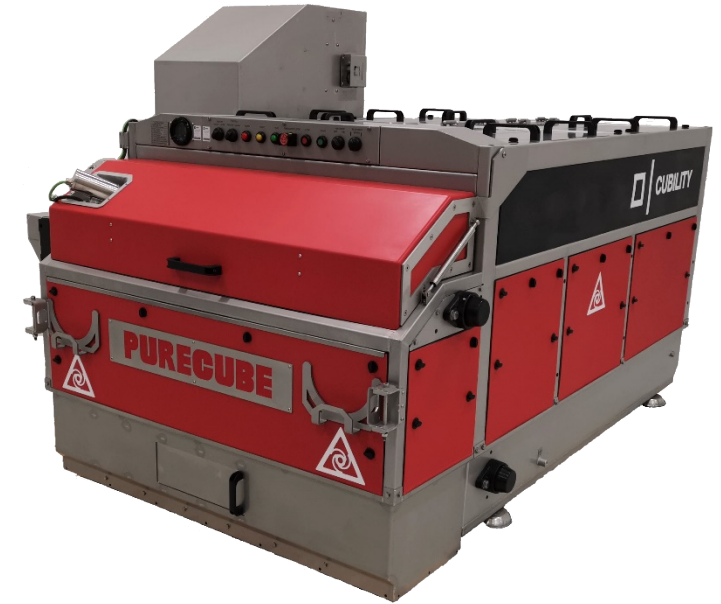


### The Challenge:

Water is becoming a scarce resource and more focus is put on reuse of our resources and hence reducing our carbon footprint. This puts heavy demands on industrial and governmental players in utilizing sustainable methods for solid/liquid separation and water reuse

### The Solution:

The MudCube® has for 10 years helped the oil and gas industry in optimizing the separation of drilling fluids and waste with a 30-40% efficiency improvement compared to the traditional shale shakers. The PureCube® is now introduced to general sludge dewatering and industrial filtration showing remarkable results.



## A safer and more efficient method

PureCube® is a modern, lightweight and compact alternative to vibrating shakers and belt filters. It combines high frequency vibrations with high air flow through a rotating filterbelt and offers an unprecedented solids/liquid separation capability.

From years of successful operation within oil and gas drilling, the PureCube is field proven in the most harsh and demanding environments. The PureCube® combine high efficiency and good working conditions with its low noise level and enclosed design where no odors or harmful gases are released.

# Improve your operations with new cost-reducing technology

The PureCube® performs solids separation/filtration, sludge thickening and dewatering within one compact unit. A PureCube® system provides primary treatment in a fraction of the footprint and at 30-60% lower cost compared with traditional solutions.

## Highlights:

- Compact modular design
- 100% enclosed – no VOC's, gases or odors can escape
- Can handle large and quick variations in feed
- Can filter from below 50µm to above 1 mm
- Wide variety of filterbelt mesh sizes ranging from 45 to 850 µm (and above)
- Microvibration and filterspeed can be adjusted to suit process specific needs and filtercake formation

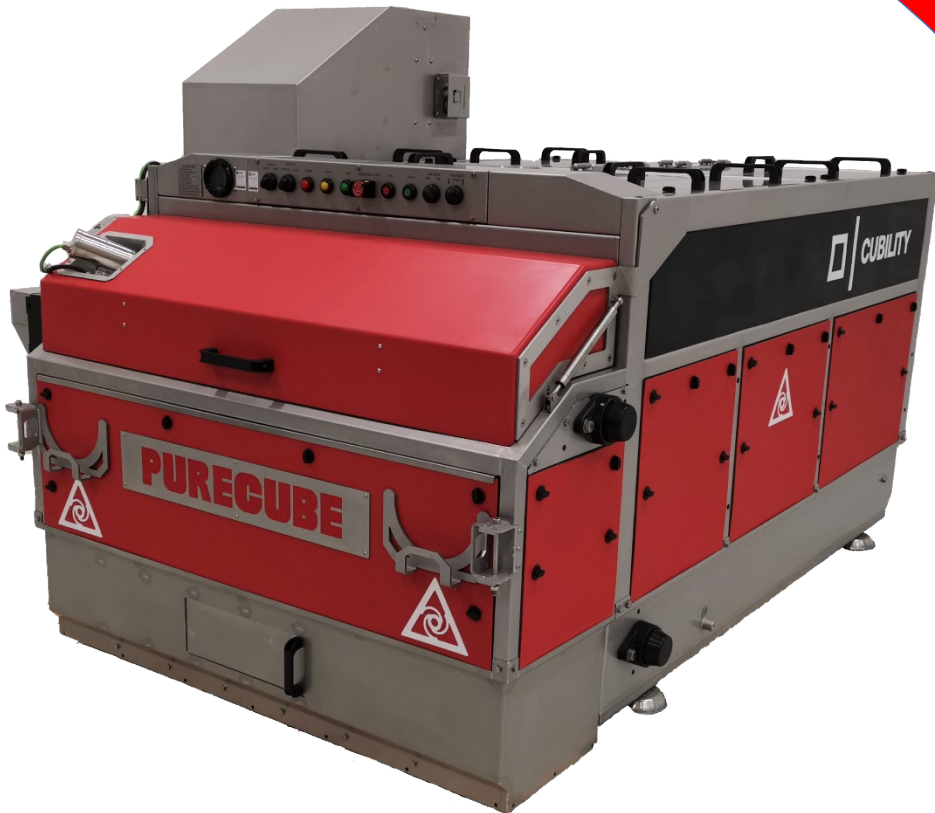
## Ease of operation

- Integrated IP camera for remote monitoring
- Automatic screen damage detection
- Integrated filter cleaning – manual hosing made redundant
- Replacement of a filterbelt in 3-4 minutes to quickly adapt to process flow variations.



# Introducing the PureCube®

An innovative and patented solution for solid/liquid separation



Based on the experience from operations within oil and gas drilling, the PureCube® is now introduced to the general market for separation of solids from liquids. The PureCube® being a microvibration enhanced continuous vacuum belt filter is applicable in many industry segments.

## Industries

- Water & Wastewater
- Aquaculture
- Mining
- Construction
- Concrete/Cement
- Pulp & Paper

## OEM's

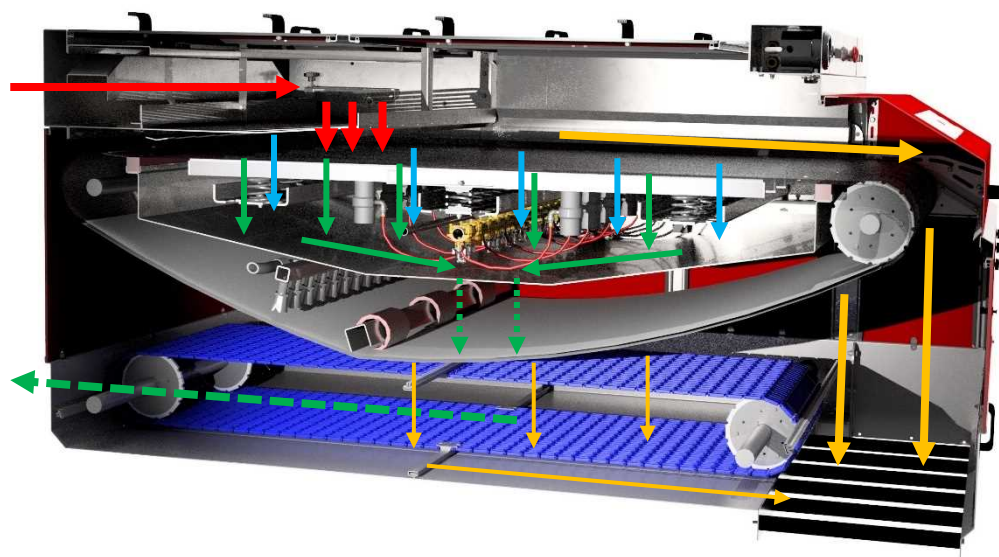
The best performance may be achieved with the PureCube in combination with other processing equipment in front or after. Hence, the PureCube® is available for OEM's to integrate in their own product portfolios.



# HOW IT WORKS



- Solids/liquid mixture
- Dried solids
- Filtered liquid
- Vacuum air (ambient air)



## Technical specifications

General Specifications	SI Units	Imperial
PureCube Unit: Length / Width / Height	2657 / 2142 / 1788 mm	104.6 / 84.3 / 70,4 in
Weight of PureCube	1600 kg	3528 lb
Vacuum Pump Airflow	840 m <sup>3</sup> /h	495 cfm
Ambient Temperature	-20 - 50 °C (60 °C)	-4 - 122 °F (140 °F)
Design Process Flow Temperature	85 °C	185 °F
Standard Filterbelt (screen) mesh sizes	Ranging from 325 (45 µm) up to 20 (850 µm) *	
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>
PureCube Body Material	316 L stainless steel	
Certification	ATEX Zone 1, Temp class T3, Gas group IIB	

\* Other mesh sizes can be provided on request

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 PureCube is our main piece of machinery in our tailing pond cleanup operations, working 24-7 with minimal consumption of filterbelts and polymers."*

Brad Banister,  
President,  
New Tech Solids - Canada

*"It's pure beach sand coming out of the PureCube in our DPI (Direct Pipe Insert drilling) operations. No other equipment we know of comes even close to its performance."*

Darron Krause,  
VP of Product Development,  
APEX site rentals - Canada

*"We expect a 50% increase in processing speed when replacing Gravity Drainage Decks with the PureCube."*

Dean Hurlstone,  
Managing Director,  
Conhur - Australia

Cubility has years of operational experience with multiple customers in different geographies and under various conditions







# 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!

## Global 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



