

**Keppel**

# Offshore Technology Development

Partnering with



## SOLIDS CONTROL SYSTEM

One Stop Solution

Versatile and scalable solid control solution to suit wide variety of offshore rigs and drilling operations

OTD provides one-stop pre-installation study, engineering, equipment supply, installation or retrofit, testing, on-site commissioning, up to aftersales support



**DESIGN AND  
CONSULTANCY**



**ONE STOP  
SOLUTION**



**SYSTEMATIC  
APPROACH**

## Why Choose OTD

- INNOVATION
- EASY INSTALLATION
- COST EFFICIENT
- AFTERSALES SUPPORT

## PRODUCT FEATURES

### CHOOSE THE RIGHT SYSTEM

Cubily's **MudCube** solid control system can eliminate a range of equipment such as HVAC, desander, desilter, centrifuge pumps, and piping. Also its lower self weight reduces overall system weight. A weight saving of about 25 tons can be achieved on upgrades of existing facilities and considerably more on new-builds.

### INNOVATIVE APPROACH TO SOLID CONTROL

A modern, lightweight, and more efficient alternative to traditional shale shakers. Instead of using high G-force vibration, **MudCube** combines high air flow and vacuum to more effectively separate all types of drilling fluid from drilled solid waste.

**MudCube** by itself can achieve lower oil-on-cutting at 4% to 5%, and qualifies for cuttings discharge in the various regions of the world without further processing.

### THE TECHNOLOGY



VACUUM  
FILTRATION



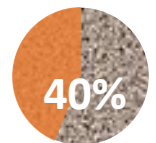
PNEUMATIC  
MICRO VIBRATION



AIR AND WATER  
KNIFE



Reduces mud  
loss by up to  
80%



Reduces drilling  
waste volume  
by up to 40%



Replaces shakers,  
desander, HVAC  
and less steel  
weight



Eliminates  
exposure to  
fumes, vibration,  
excessive noise

## UNDERSTANDING CLIENTS REQUIREMENTS

- LEVERAGING KEPPEL OFFSHORE & MARINE CAPABILITIES
- COMPLETE PRODUCT LIFECYCLE SUPPORT
- EFFECTIVE PROJECT MANAGEMENT

## ONE STOP SOLUTION

DESIGN AND  
CONSULTANCY

PRE-INSTALLATION  
SURVEY

ENGINEERING  
WORKS

PRE-FABRICATION  
WORKS

SUPPLY &  
INSTALLATION OF  
ELECTRICAL &  
PIPING

SOLIDS CONTROL  
SYSTEM SUPPLY &  
INSTALLATION

AS-BUILT DRAWINGS  
& OPERATING  
MANUAL

COMMISSIONING  
SUPPORT

TRAINING SUPPORT

WARRANTY  
SUPPORT

AFTERSALES

### USING LATEST TECHNOLOGY

We provide engineering consultancy for conceptual study, detail design, space survey for system installation. Using OTD 3D scanning, we provide high definition laser scanning and surveying techniques.

### PROCESS SIMPLIFYING

With our experience, OTD is able to make the process simple and easy for you. We provide project management and close supervision during the system installation. You can be assured of the visibility and fully documented process.

### ASSURED QUALITY

We pride ourselves in providing our clients with quality products and services. Our range of support will cover various aspects that ensure you will always have a peace of mind and confidence in your equipment.

Your Trusted Partner

**30+ years of solid track records in installing solid control system for different vessels in Keppel yards**

## ADVANTAGES



### THE TRULY GLOBAL SOLUTION

Through our partnerships with Cubility and leveraging on the Group's network of 20 yards and offices worldwide, we are capable to bring our services nearer to you while providing effective logistics and service support.



### SUPERIOR PRODUCT AND QUALITY

Understanding your needs and requirements, we will propose equipment and specifications that are necessary. This includes advise on footprint, maintenance space, power consumption, piping and tie-ins, system capacity and control integration.



### FULLY COST EFFECTIVE SOLUTION

With the right solids control system, detailed engineering, excellent project execution, we are confident in providing a cost effective engineered solution. Our experience and project management skills will ensure your total costs will be lower while turnaround times get shorter.

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**Keppel**

**Offshore Technology Development**

**CUBILITY**

