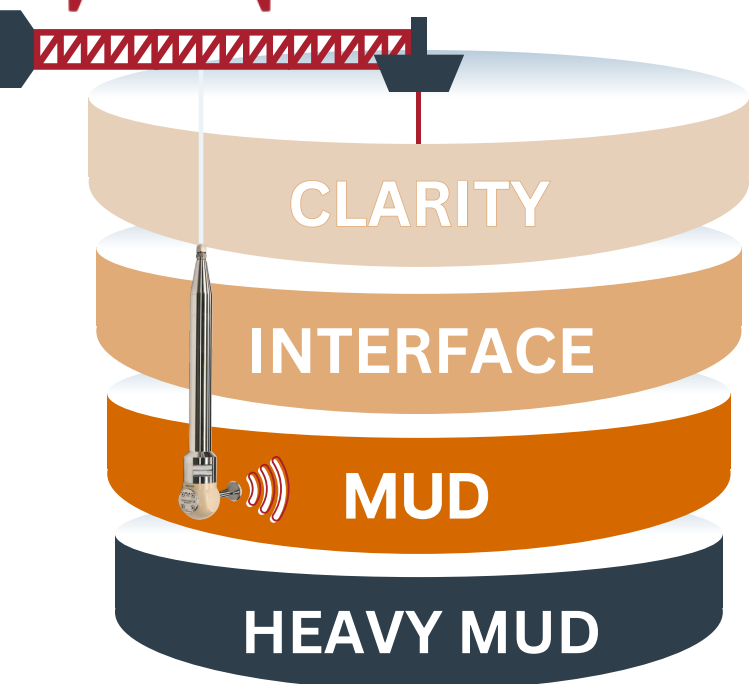


# SmartDiver<sup>®</sup>

## MUD DIVER<sup>®</sup>



**AUTOMATIC MUD-DIVER, BED LEVEL MEASUREMENT & TANK PROFILING SYSTEM FOR CLARIFIERS, THICKENERS & CCD'S**

### APPLICATION

“DESIGNED FOR THE **MINERAL PROCESSING** SECTOR”

SmartDiver<sup>®</sup> is being used in Alumina, Nickel, Copper, Uranium, Mineral Sands, and Gold Processing facilities.

Ideal for Solid-Liquid Separation Thickeners & Carbon Capture Plants.

### The SmartDiver<sup>®</sup> Advantage



Enhance Overflow Clarity



Increase Underflow Density



Superior Rake Torque Control



Optimise Flocculant & Reagents consumption



Enhance PM/PDM capabilities & Increase availability of the Thickener

### MEASURES



Bed Levels  
(Mud & Interface)



Settling Zones



Overflow Clarity



Tank Profiling  
(suspended solids vs depth)



Overflow Liquor Concentration

“EQUIPPED WITH **THIS DATA**, OPERATORS CAN **OPTIMISE FLOCCULATION & CONTROL UNDERFLOW DENSITY.**”

**Typical SmartDiver® Installation at a Thickener Tank:**



**SPECIFICATIONS**

**Maximum Process Temperature:** 150°C

**OUTPUTS:**

- Analog: 7X 4-20mA
- Digital: Ethernet IP / Modbus TCP

**POWER SUPPLY:** 240/110 Vac or 24 Vdc

**ACCURACY :** +/- 2%

**REPEATABILITY:** +/- 1%

**Level:** +/- 5 to 10 mm

**MODEL CODING:** AL-6410

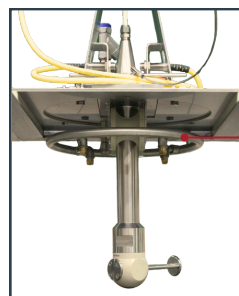
**ASSEMBLY**



Control Panel



Submersible & Retracting Sensor



Wash Bay Assembly



**FREE ON-SITE TRIAL  
ANYWHERE IN THE  
WORLD**

Improve Thickener/Washer  
Underflow Performance &  
Flocculation Control.