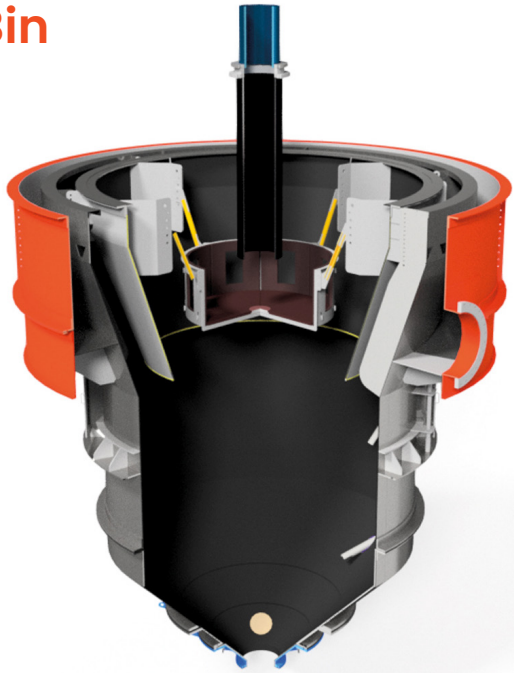




aranzu.

Dewatering Bin

Dredging or offshore mining operations require dewatering before introducing it to the process plant. **aranzu** has designed and developed a dewatering technique for dewatering low density slurries streams quickly and effectively.



Design → **aranzu** has developed and patented a coarse solid dewatering bin that separates the solids and liquids from a dilute slurry stream. The size of the separated solid particles can range from fine sand to coarse gravel. The size fraction that reports to the overflow can be adjusted and the coarse fraction reports to the bin underflow. The **aranzu** Dewatering Bin design offers a wet bin storage facility where the settled solids are stored without agitation and extracted, when required, at a controlled rate and concentration, using an **aranzu** Fluidizer.

Application → **Dewater low-density slurry**
The Dewatering Bin is most commonly used in dredge operations where large volumes of low-density slurry have to be dewatered before reporting to a processing plant. The large volume of the bin protects against flow surges and subsequently a constant flow rate can be delivered downstream.

Variations → **Units are custom sized to meet customers dewatering needs.**
Diameter: Size is determined by process requirements, typically 1 m to 10 m diameter.
Feed Density Range: Typically less than 1.15 kg/m³
Flow Rate Range: Dependent on size and density.
Materials of Construction: Most metals or metal/liner combinations available in the industry.

Custom Requirements → Units are custom sized to meet clients needs.

