

# HSE – Health, Safety and Environment



An effective Health, Safety, and Environment (HSE) program is characterized by the absence of injuries, property damage, and environmental harm.

Using a decanter centrifuge at your drilling site is instrumental in achieving these objectives. Recycling water and fluids eliminates the continual need of water transport, thereby significantly reducing the volume of water and mud required. This not only lowers operational costs but also enhances safety in the work environment.

The benefits of sufficient recirculation are:

- Water consumption can be reduced by up to 90%
- Mud chemical usage can be reduced by up to 50%.
- In the decanter centrifuge, solids are condensed and transformed into a semi-dry solids cake (65-70%), reducing the volume of residual mud/waste by up to 75%. This minimizes the risks associated with disposal.

Combining water circulation with condensed, easy-to-handle waste significantly minimize the risk of contaminating nearby water streams or lakes.

In addition, the compact design of the decanter centrifuge (small size and shape) allows for easy transport via helicopter, light vehicle, manually or in modular sections.

## **Benefits with using a decanter centrifuge at your drilling site:**

- Improves on-site health and safety by reducing manual handling and excessive mixing.
- Eliminates the need for digging and rehabilitating sumps, causing less harm to the environment.
- Minimizes site remediation and environmental management work
- Reduces site footprint, providing access to environmentally sensitive or remote drill sites.
- Operators are not exposed to harmful moving parts, thanks to complete cover protection of the bowl.

