



Online Robotic Sludge
Removal and Processing



Features & Advantages

- Online cleaning operation eliminates the need of shutdown or isolation or drainage of the pits, lagoons, basins, tanks, etc.
- Remote Operation eliminates the need of man entry during the entire cleaning operation
- Mobile sludge treatment feature enables sludge removal followed by sludge processing to recover liquid and form dry solid cake



Types of Sureflo Robots: Submersible Type



SUREFLO NANO

- Capable of entering a tank through a 600 NB manhole
- Capable of online sludge removal from Cross Current Cooling towers
- Capable of online sludge removal from Underground tanks, product tanks etc

SUREFLO NANO

- Light Weight, can be lifted by 2 manpower
- Removes sludge at 25 m³/hr capacity
- Can be equipped with cameras, detectors, etc



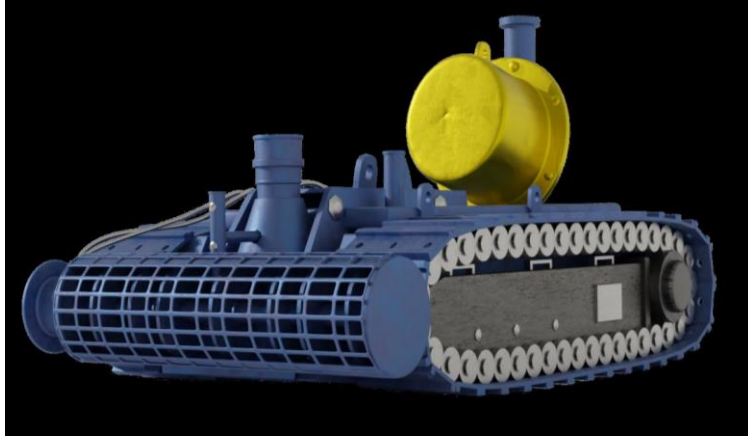
SUREFLO MINI

- Capable of online sludge removal from Counter Current Cooling towers
- Capable of online sludge removal from Underground tanks, product tanks etc

SUREFLO MINI

- Removes sludge at 40 m³/hr
- Can be equipped with cameras, detectors, etc
- Needs an opening of 1 m x 1m for entry in tank

Types of Sureflo Robots: Submersible Type

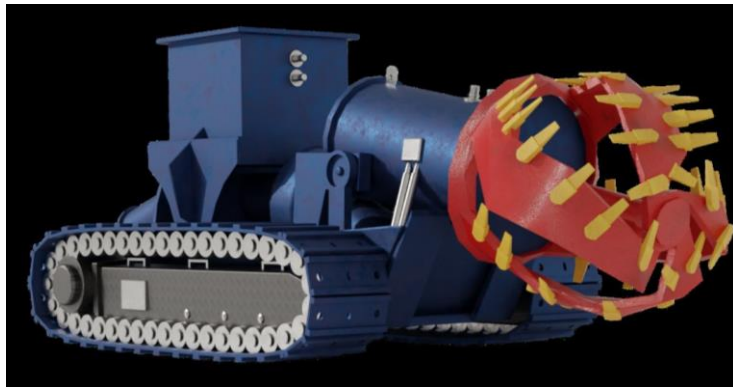


SUREFLO BAY CLEANER

- Capable of online sludge removal from oil pits, effluent tanks, basins, forebay, etc.
- Capable of online slag / scale removal from scale pits, basins
- Capable of online sludge removal from Natural Draft Cooling towers

SUREFLO BAY CLEANER

- Removes sludge at 50 m³/hr capacity
- Can be equipped with cameras, detectors, etc
- Needs an opening of 1.5 m x 1.5 m for entry in tank



SUREFLO BEAXST

- Capable of online sludge removal from oily sludge lagoons, ash dykes
- Useful for lagoons and pits with hard compacted and sticky sludge

SUREFLO BEAXST

- Removes sludge at 150 m³/hr
- Can be equipped with cameras, detectors, etc
- Needs an opening of 2.5 m x 2.5 m for entry in tank

Types of Sureflo Robots: Floating Type (UR-DS)

- 1st of its type Indian Made Unmanned Remote Controlled Dredge System (UR-DS)
- Desilting / Desludging up to 20 m depth
- EV: Electrically Operated hence cheaper than conventional diesel operated dredges
- Capacity : 150 m³/hr and above
- Applications: Reservoirs, Ponds, Jetty, Channels, etc



Types of Sureflo Robots: Amphibious Type (SAR)



- Enhanced dynamic buoyancy control enables it to float on top of lagoon, sink to the bottom or stay submerged at various depths in the lagoon, hence removing sludge from various depths of the lagoon
- Capable of adjusting the operating depth of the integrated cutter-pump mechanism hence enabling it to remove sludge and silt for depths of 20 m and more
- Capable of pumping sludge up to 150 m³/hr., hence higher rate and faster of cleaning of lagoons.
- Equipped with sludge detectors and camera.
- External winches and cables for robot movement is not required as SAR has in built traction system
- Suitable for lagoons with liners and floating roof
- Suitable for oil spill response. Other applications include sludge removal from ponds, basins, pits, lagoons
- Satellite remote control option for operating it in a 500 m range

Mobile Sludge Processing Plants



- Sureflo has in-house manufacturing set up for Decanter Centrifuges, Screw Presses and other equipment required for sludge processing.
- Sludge processing unit can recover liquids such as oil, water, acids, solvents which were trapped in sludge
- Sludge processing unit will reduce the sludge handling volume as it forms dry compacted cake



Contact Details and Links

Address: A-101 New India Chambers,
Off MIDC, Andheri E, Mumbai. India

Website: www.sureflo.in

Email: info@sureflo.in

Ph. No.: +91-22-41200915

Youtube Links

<https://youtu.be/7axh80lIT9c?si=xMg9uZJtu6l8HzQ9>