



*gridbots*



**0%**  
**WATER**  
**WASTAGE**  
**ROBOT**

# **SAUSR ALPHA**

**ONLINE TANK CLEANING ROBOT**

# SAUSR ALPHA

## ONLINE TANK CLEANING – ROBOTIC SOLUTION

SAUSR is an underwater service robot which can be operated remotely using the OCU unit situated outside the tank by a robotic technician.

It can be used inside water tanks and small reservoirs to remove the sludge deposited on the base while they are full of water.

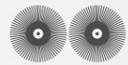
The sludge content can be mud, ash, dirt or any other media which has deposited over time on the tank surface

SAUSR also features twin counter rotating brushes which enable it to scrap all kinds of hard deposits at the bottom.

The high pressure onboard pump then subsequently throws out all that scrapped sludge through a connected exit pipe.

The system features re-usable sludge filters which filters out all the thrown out sludge and captures the non liquid part and the filtered water is re-circulated back to the tank.

The complete Robot is made from Special grade Stainless Steel which makes it 100% rust proof - even during prolonged use and even in acidic mediums.



**ROLLER TANK  
CLEANING BRUSH**



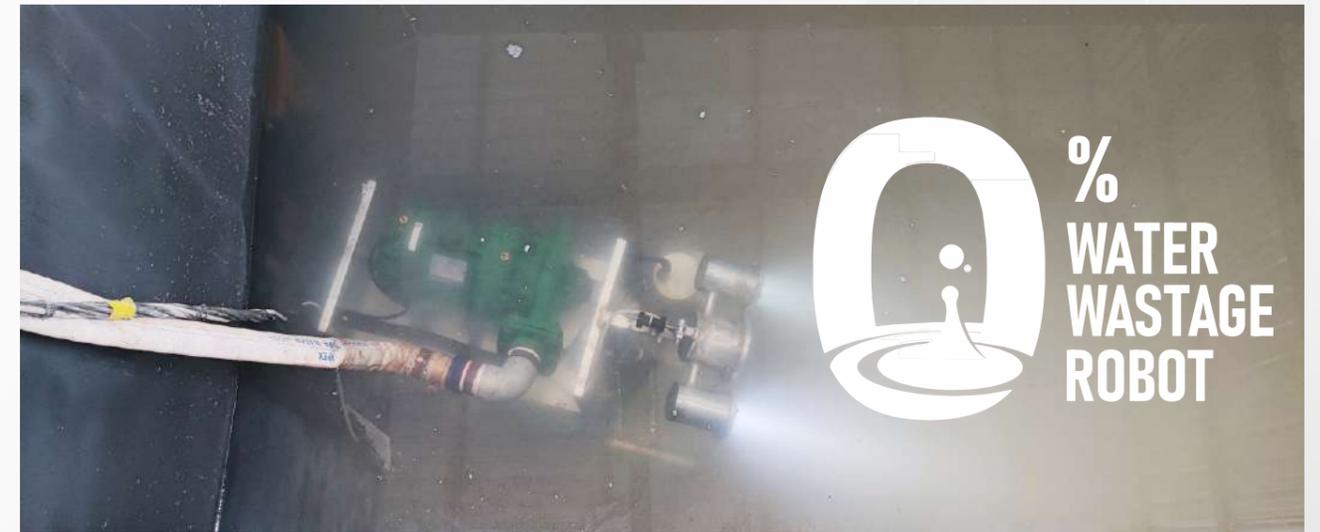
**HIGH RESOLUTION  
VISUAL INSPECTION**



**SAVE MONEY ON  
MANUAL OPERATIONS**



**100% SAFE**



### VARIANTS

Wheels  
**Powered Wheels**

Payload  
**Upto 50 Kg**

Drive Type  
**Waterproof Motor Drive**

Moving Speed  
**Maximum of 50 MM/Sec**

Encoder Motion Resolution  
**0.1 mm Increments**

Sensor  
**Depth Sensor**

Provide Cable Length  
**Upto 100 Meters**

Robot Weight  
**40 Kgs**

Power  
**Single Phase AC 1KW - Three Phase AC - 6KW**

Cameras  
**2 UHD Camera[1 - Top Front Facing. 1- Belly Mount]**

Remote Control  
**Tether Cable with Steel Rope**

Build Material  
**SS-316**

### SENSORS

Water Quality Sensors

IMU Sensor

Depth Sensor

Sound Sensor

### ENVIRONMENTAL

IP Rating  
**69**

Temperature  
**5°C to 65°C**

Humidity  
**95%, Non-Condensing**



SAUSR ALPHA



CONTROL UNIT



100 METER CABLE

**MOST POWERFUL ROBOT FOR INSPECTING DIFFICULT TO REACH SPACES**



## **GRIDBOTS TECHNOLOGIES PVT. LTD.**

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