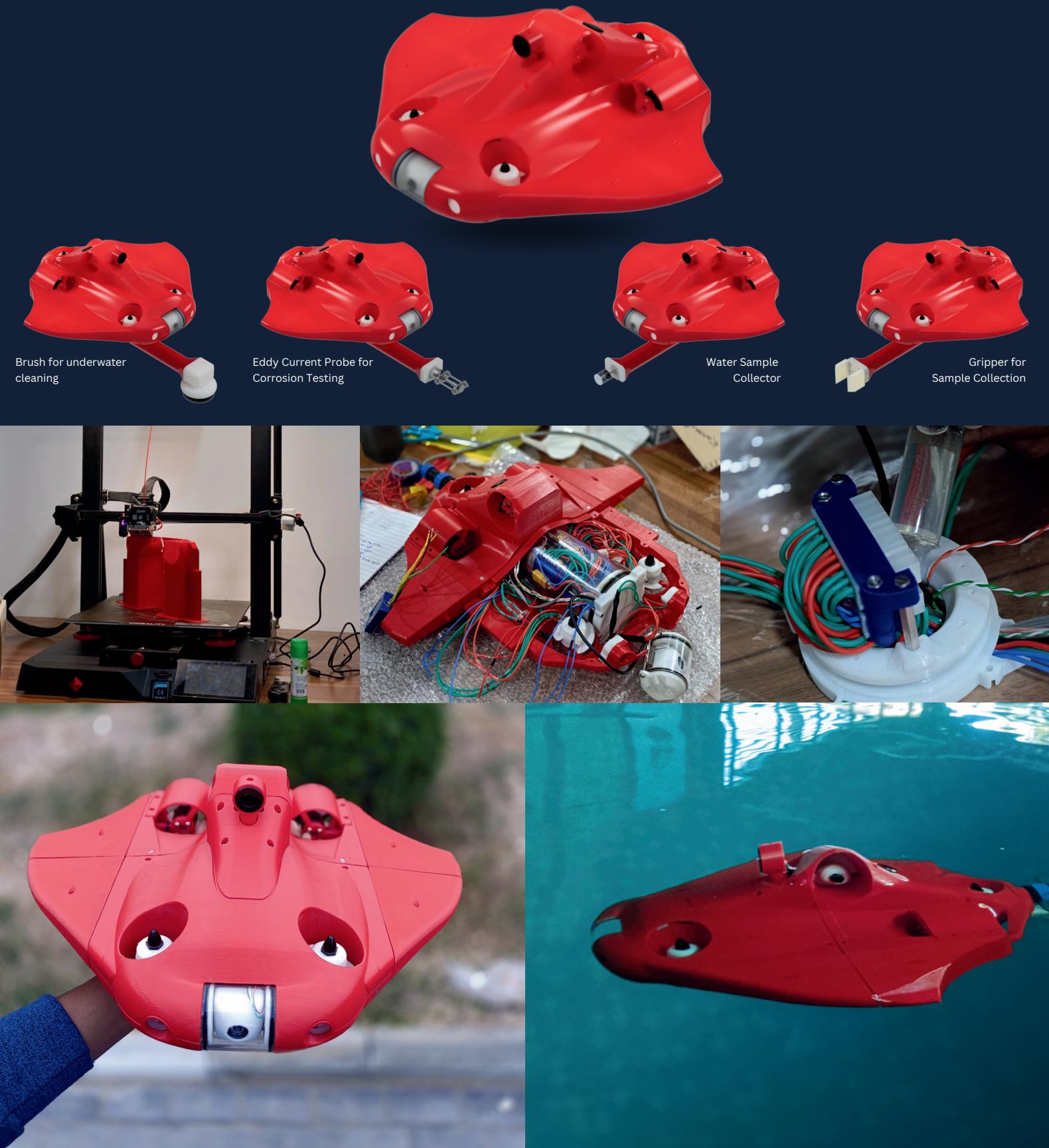


# INTERCHANGEABLE END EFFECTORS



**THE  
UNDERWATER  
ROBOT FOR  
INSPECTION AND  
SALVAGE**

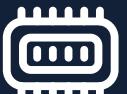


# SPECIFICATIONS



## BATTERY 6000 mAh

Li-ion Batteries for power backup



## PROCESSOR

Equipped with Raspberry Pi as a companion computer



## PIXHAWK CONTROLLER

Pixhawk for underwater Drone Controlling



## BLDC MOTORS

High Quality Motors for Efficient Movement



## 1080p CAMERA

USB Camera for Underwater Imaging



## HUMAN DETECTION

Machine Learning model to identify humans underwater



## 6 DEGREES OF FREEDOM

Designed to achieve easy motions



## SONAR

For imaging in murky conditions



## PROPELLORS

Designed to improve maneuverability



## ULTRA-SHORT BASELINE

USBL Positioning System for Underwater Navigation



## BIO-MIMICRY

Inspired by Stingray to improve stabilization



## CLOSE LOOP CONTROL

Different Modes for Stabilizing and Depth Hold

**URIS** is an **Underwater Robot** that can be remotely operated. This robot provides a **sustainable solution** for inspecting floods and rescue operations for the **Disaster Response Forces**. The rover uses ultrasonic transducers, sensors, cameras, and a claw to survey, position, image, and research underwater.

