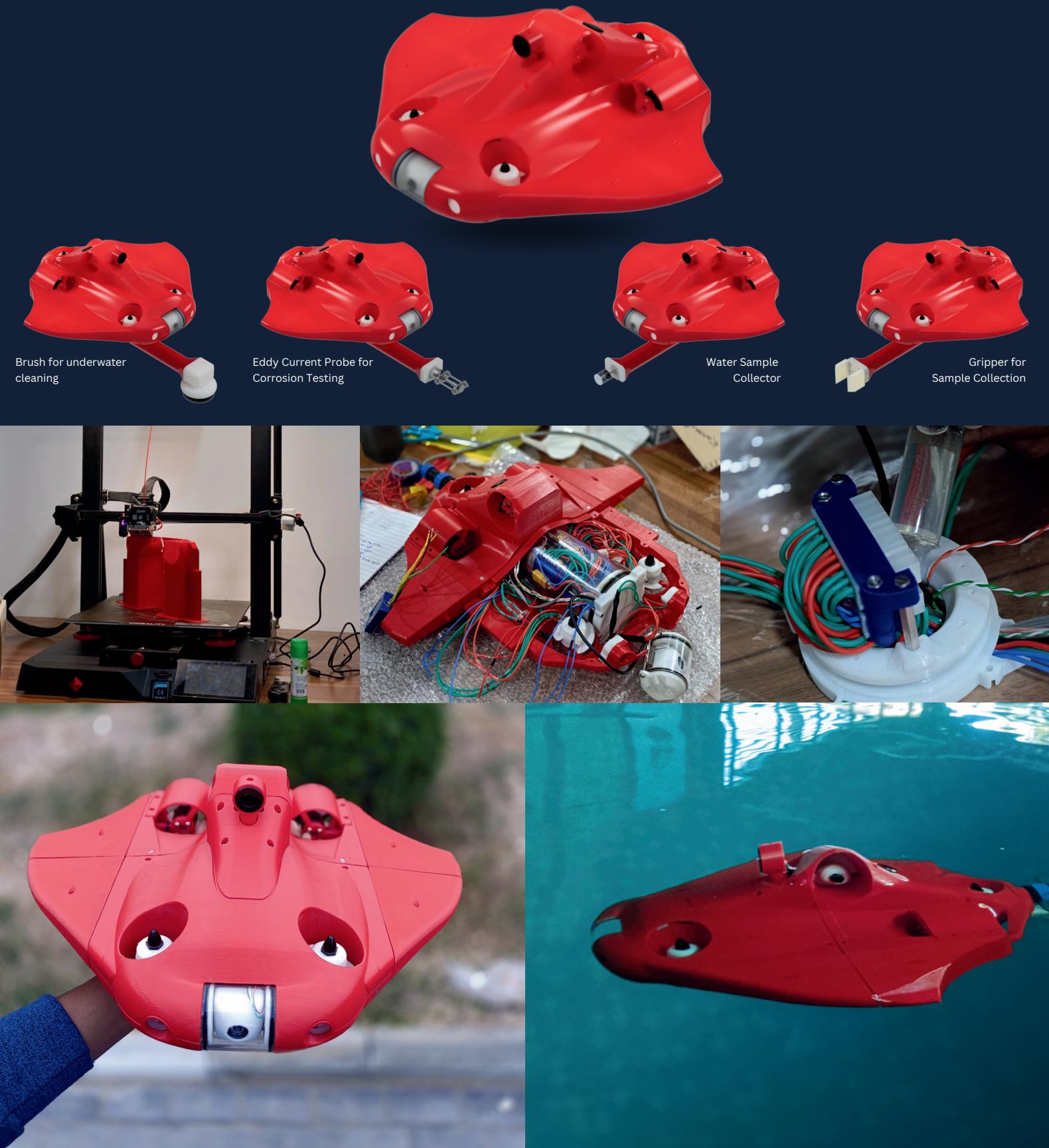


INTERCHANGEABLE END EFFECTORS



**THE
UNDERWATER
ROBOT FOR
INSPECTION AND
SALVAGE**

SPECIFICATIONS



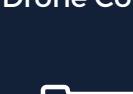
BATTERY 6000 mAh

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



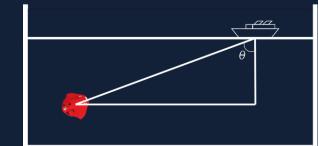
SONAR

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.

