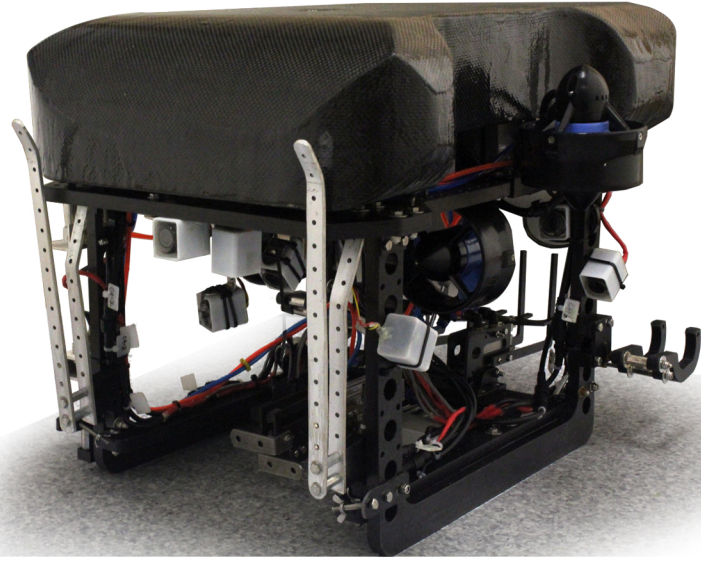
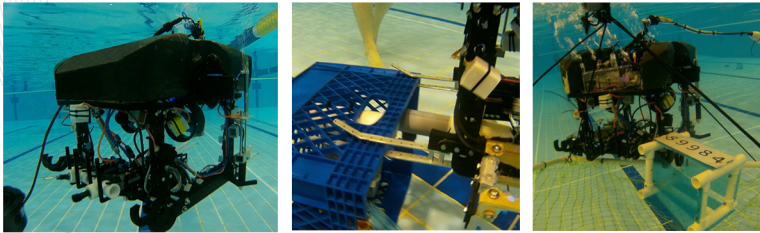




6th Year Participants



SPECIFICATION

STABILITY

Flight time: > 75 hours
Designed and build : > 2000 hours

DIMENSIONS

Total length, width, height:
510 mm x 470 mm x 400 mm
Top speed: 0.81 m/s
ROV weight (in air): 11.5 kg
Tether weight (in air) : 3.4 kg

FRAMEWORK

High-Density Polyethylene frame
Flexible modular design

BUOYANCY

Flow simulated buoyancy shape
Carbon fibre reinforced foam
Adjustable buoyancy system

SAFETY FEATURE

Inherent design safety
Enclosed Thrusters
Safety Labeling

ELECTRONIC SYSTEM

Modular electronic components
Centralize electronic board
CAN Bus integration

SENSORS

6 DOF Inertial Measurement Unit
Pressure sensor
Temperature sensor

SOFTWARE SYSTEM

ROS integration

SPECIAL FEATURES

15 Analog video cameras
Air controlled actuators are available
Fully digital control system

Total Cost : US\$ 5,513.06

TEAM



Albert Tanoto · CEO · Year 2 | CEEV
Gian Miguel Del Mundo · CTO · Year 1 | SENG
Christian Edwin Pranata · CFO · Year 2 | ECE
Gaurav Vijai Jeandani · Mechanical Engineer · Year 1 | SENG
Richard Lawrence · Mechanical Engineer · Year 1 | SENG
Randitya S. Mohamad · Head of Mechanical · Year 1 | SENG
Tang Can Yao · Mechanical Engineer · Year 1 | SENG
Ngai Cheung · Head of Electronics · Year 3 | CPEG
Xinjie Yao · Electronics Engineer · Year 1 | SENG
Yau Pun Chen · Electronics Engineer · Year 1 | SENG
Hans Ryan Tanubrata · Electronics Engineer · Year 1 | SENG
Hongseo Yoon · Electronics Engineer · Year 1 | SENG
Mang Tik Chiu · Head of Software · Year 2 | CSE
Cheng Hsin Wu · Software Developer · Year 1 | SENG