

ACADEMIA SAN AGUSTÍN Y ESPÍRITU SANTO

Sabana Grande, Puerto Rico

3,158.05 Km from Houston, Texas

Company: SAINTS – ASAES Underwater Robotic

ROV Name: L – MARRGAFAR

Dimensions: 31.2cm L x 31.4cm W x 30.3cm H

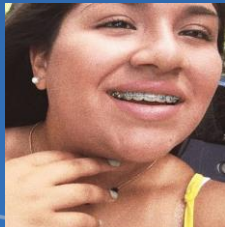
Approximate total: 4.385 Kg Structure: Polyvinylchloride, acrylic and aluminum
Mentor: Lernisse V. Collazo

History: The Saints Robotics Team are a students dedicated to exploring a diverse array of robotics applications. This is our first year entering in this competition, competing with a ROV of \$1,800 approximately. Other projects include Sea-Perch – ROV - NAVY

Company members



Andrea González
CEO, Grade 10



Alondra Cartagena
Co-CEO, Co-CFO,
Grade 9



Alex Cabello
Pilot, Electrical
team Grade 9



Ramón Pérez
Co-Pilot, Safety
Specialist Grade 10



Gabriel Cruz
Co-CEO, Co-CFO,
Presentation
Designer Grade 9



Randall Torres
Tether man,
Mechanical
Team, Grade 10



Ronald Riopedre
Tether man,
Mechanical
Team, Grade 10



Michael Orengo
Presentation
Designer
Mechanical
Team, Grade 10



Fabián Martínez
Presentation
Designer
Engineer Design,
Team, Grade 10



Safety features:

- 25 Amp fuse
- Durable waterproof tether
- 12 V battery
- Shrouded propellers
- No sharp edges
- Main power on/off switch
- Abrasion resistant tether wrap and strain relief to protect connector

Special features:

- 2 Networked underwater cameras
- Pneumatic – jaw gripper
- LED illumination
- Fish finder wireless
- Transparent Control Box
- Black dry box (inside control box, 2 monitor, battery and compressor for pneumatic jaw gripper)