

SPEC SHEET

MARINE TECHNOLOGY MORELIA

COMPANY INFO

Name: Marine Technology Morelia

School: Morelia Institute of Technology

Home: Morelia, Michoacan, Mexico

Traveled: 3,842 km

Returning Team: 1st time MATE
Competition Participants

ROV Quick Specs

Size 30 x 44 x 35 cm

Weight 11.6 kg

Total cost \$6,653 USD

Desing & build 1220 hours

COACHES:

Dr. Ricardo Martínez Parrales

Dr. Nicolas David Herrera Sandoval

MENTOR:

Dra. Bertha Isela Gómez Palomares



TEAM MEMBERS

Mechanical

Edgar Partida Cruz – '22

Félix Omar Soria Novoa – '23

Fidelmar Tamayo Pérez – '23

José Eduardo Salazar Neri – '23

José Martín Reyes García – '23

Luis Eduardo Salgado Bataz – '23

Marco Antonio Villagómez García – '22

Ricardo Esteban Villaseñor Conejo – '19

Roberto Carlos Aguilar Calderón – '23

Valeria Muñoz Zarco – '22

Salvador Zaragoza Maldonado – '22

Yosef Dominic Bautista Juárez – '19

Software

Maximiliano Baruk Moctezuma Rosas – '22

Jireh Rivera Ayala – '23

Electronical

Braulio Cesar Vega Medina (CEO) – '23

Cristopher Alonso Gutiérrez García (Vice CEO) – '24

Fernando Adrián Gómez Pedraza – '37

Marketing

Daniela Magaña Arana – '26

Sarahi Monserrat Marroquín Jacobo – '19

SPECIAL FEATURES

- Aluminium extrusion exoskeleton
- General purpose manipulator
- Modular frame and design
- Vectored thruster configuration
- Expandable and customizable
- One mechanical arms (3 degrees of freedom)

SAFETY FEATURES

- Full system power monitoring
- 30A Fuse
- Software defined hard limits
- Emergency power off switch
- Safety sensing
- Advanced TCU
- Thruster guards
- No edge sharp

