

Oceanus Company

Mindz , Alexandria, Egypt



11,278 km

Special Features:

- Easy and fast maneuvering using 6 thrusters.
- No wires in the electric canister for easy tracing and troubleshooting.
- *Hera* can withstand pressure up to 3 bars.
- Changeable attachments depending on mission.
- Ability to determine the altitude of the ROV, acceleration and tilt angle.

ROV Specs:

- ROV Name: Hera.
- ROV Cost: \$1,685.
- Primarily Materials: Polyethylene and Acrylic.
- Weight in air: 6.8kg.
- Dimensions: 35 x 28.6 x 25 cm.
- Power Requirement: 12V DC, 20A.
- Total student-hours: around 560.



Hera fits the 48-cm diameter cylinder.



Safety Features:

- No sharp edges.
- Safety signs on Kort nozzles.
- 25A fuse.
- Current sensor for each motor.
- Well attached tether.
- Water detection sensor in electrical canister.
- Emergency button that shuts Hera down.

Company Members

Rana Hanno:
Chief Financial Officer
Chief Mechanical Engineer
Documentation
3rd year.

Shehab Ramy:
Chief Electrical Engineer
Pilot
3rd year.

Salma Mohamed:
Electrical Engineer
2nd year.

Ahmed Nabil:
Chief Executive Officer
Software Engineer
2nd year.

Khadeja Assem:
Electrical Engineer
Marketing Manager
1st year.

Mahmoud Alaa:
Mechanical Engineer
3rd year.

Samaa Mohamed:
Human Resources Manager
Research and Development
Documentation
4th year.

Hossam Hanno:
Mechanical Engineer
3rd year.

Rowan Rezaq:
Electrical Engineer
Safety Officer
1st year.

Mentors:

Eng. Wael Eweda.
Eng. Kareem Youssri.

