2016 MATE international ROV competition
RANGER Class
Distance to International Competition: 11350.37 km

AQUA Discovery
EGYPT, Menofia
SHEBIN EL-KOM
IDEL SCHOOL

OPERA ROV Spec:
Dimensions: 0.3 m X 0.28 m X 0.27 m.
Material: polyethylene, Acrylic, copper.
Weight in Air: 10.75 kg.
Total Cost: 1602.60 $
Depth Rating: 100 MSW
Power: 12 VDC, Max Current: 25 Amp

Team Members:
Kareem Ahmed Baibars (Pilot) (returning)
Leena Ahmed Baibars (Marketing) (returning)
Yahiya Ehab Swelam (Co-Pilot) (returning)
Mostafa Ahmed Sadek (new)
Mohamed Samer El Shikh (new)
Mostafa Mohamed Rehan (new)
Gaby Mina Ghobrial (new)
Andria Ayman Fathy (Tether Man)(new)
Omar Shiref Kebaly (new)
Ahmed Amir El Sakhawy (new)
Ramy Ahmed Attia (new)
Farida Hossam (second Co-Pilot) (new)
Adnan Badr AbdAlla (CFO) (new)
Mariam Adel Alam Eldin (new)
Mohamed Adel Alam Eldin (new)
Eyad Hazem (new)
Mostafa Mohamed Rehab (new)
Mariam Yasser (new)
Ziad Shreif Rabea (new)

Supervisor:
DR. Eman Shedeed

Mentors:
Eng. Mahmoud Ibrahim
Eng. Fawzy Ghoneim

OPERA ROV Safety Features:
1. 10A fuse & 25 A DC circuit breaker.
2. no sharp edges.
3. Safety wire for the ROV
4. IP-64 Surface Control Unit.

OPERA ROV Special Features:
1. 2 HD Cameras.
2. 2 DOF Manipulator with 4 claw gripper
3. IP-64 Surface Control Unit.