

# LUMINOUS



MANSOURA UNIVERSITY  
MANSOURA, EGYPT  
1<sup>st</sup> YEAR COMPETING IN MATE ROV

'21 Omar Elmasry	CEO/ Software CTO
'21 Abdelrahman Ramzi	Mechanical CTO
'21 Mahmoud aboelrayat	Electrical CTO
'21 Omar Aboelmagd	CFO/ Mechanical/ Software Engineer
'21 Ahmed Noaman	PR/ Software Engineer
'21 Mostafa Rehan	Software Engineer
'21 Mohamed Emad	Software Engineer
'21 Yasmin Mohamed	Software Engineer
'21 Reem Mohamed	Mechanical Engineer
'21 Karam Albandy	Mechanical Engineer
'21 Karim Ashraf	Mechanical Engineer
'21 Mohamed Sameh	Mechanical Engineer
'21 Ahmed Shafie	Mechanical/ Electrical Engineer
'21 Mazen Siraj	Electrical Engineer
'21 Omar Elshiekh	Electrical Engineer
'21 Ahmed Isalm	Electrical Engineer
'20 Ahmed Elsegeny	Electrical Engineer

TOTAL COST

3,094.80 \$

TOTAL MAN-HOURS

2500 h

DISTANCE TRAVELLED

10,817 Km

## WEIGHT AND SIZE

- Weight including tether and tools 17.2 Kg
- Fits in a circle of a 62 cm diameter

## SAFETY FEATURES

- No sharp edges
- Strain Relieved-Tether
- Sheathed Tether
- Kill Switch

## ROV FEATURES

- Micro-ROV
- Autonomous Line Following And Mapping
- Autonomous Difference Detection
- Multiple Cameras
- Photomosaic



# SOBEK