

2012 MATE International ROV Competition

Distance required to travel to the international competition:

14,000 km (HK to USA)



Second Time Participating

POSEIDON Specification:

Total cost: USD 7000

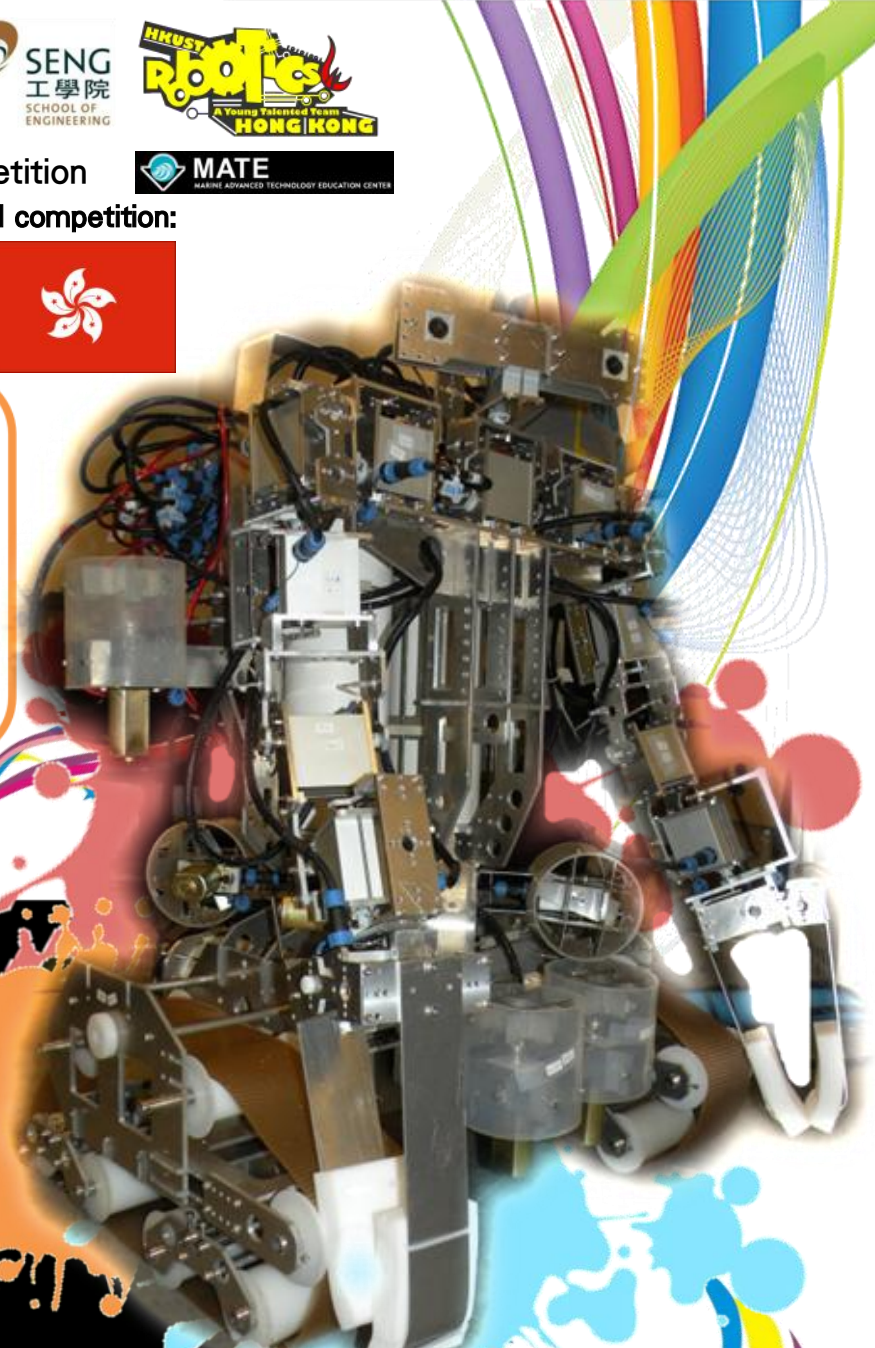
Primary construction materials:

Aluminum, PVC, PE

Approximate dimensions:

(W X L X H) 0.6 m X 0.6 m X 0.9 m

Total weight in air: 30 kg



Specification Sheet

Team Members

- Yu Hon NGAI
- Ho Sum LEE
- Siu Mui WONG
- Kin Yeung LEUNG
- Hei Chit Adrian YUEN
- Kevin WONGSO
- Sheshan Ryan AARON
- Hon Pan LO
- Ling To TSANG
- Chi Ling FUNG
- Chung Ling CHENG
- Ka Kin WONG
- Wenhao CHEN
- Andreas Widy PURNOMO
- Chi Hong YUM
- Ho Yin CHENG
- Kam Hung FUNG
- Shuk Kwan YIP
- Yan TING
- Yoga Y. NADARAJAN

Supervising Faculty Member:
Prof. Kam Tim WOO (Returning)

Mentors:

- Chun Yin LEUNG (Returning)
- Ming Shing WONG (Returning)
- Chap For LUI (Returning)

- CEO (Year 2, E.E.)**New**
- CTO (Year 3, MECH.)**Returning**
- CTO (Year 2, MECH.)**New**
- CFO/Electronic Engineer (Year 2, E.E.)**Returning**
- Pilot/Software Engineer (Year 1, C.S.E.)**New**
- Public Affairs Officer (Year 1, C.S.E.)**New**
- Public Affairs Officer (Year 3, E.E.)**Returning**
- Software Engineer (Year 3, E.E.)**New**
- Software Engineer (Year 2, E.E.)**New**
- Mechanical Engineer (Year 1, C.S.E.)**New**
- Mechanical Engineer (Year 1, MECH.)**New**
- Mechanical Engineer (Year 3, MECH.)**Return**
- Mechanical Engineer (Year 1, MECH.)**New**
- Electronic Engineer (Preparation Year, E.E.)**New**
- Electronic Engineer (Year 1, E.E.)**New**
- Electronic Engineer (Year 2, E.E.)**New**
- Electronic Engineer (Year 3, E.E.)**New**
- Electronic Engineer (Year 2, E.E.)**New**
- Electronic Engineer (Year 2, E.E.)**New**
- Electronic Engineer (Year 1, E.E.)**New**



Boost Creativity

Innovate The Future

Safety Features:

- Protective guard for the propellers
- Safety labels on the ROV for caution.
- Built in fuses in the onboard electronic circuits.

Special Features:

- High efficiency self designed blade thruster
- HD Cameras, 9DOF Digital Sensor
- Human Motion Capture
- 3D Stereo Camera and Head Tracking

