

GEAR

HKUST ROV TEAM 2011

Generate Engineering
Amazing Revolution!

2011 MATE International
ROV Competition



Distance required to travel to
the international competition:
13, 433 km (HK TO HOUSTON)

FIRST TIME PARTICIPATING

OUR ROV NAME: **GEAR**

Team Member

CEO/MECH. Engineer:

KK Wong, MECH YEAR 2

CFO/Programmer:

Lok Ping Leung, CSIE YEAR 3

Chief Engineer/Pilot :

Eric Leung, CSE YEAR 3

Programmer:

Alex Kwan, CPEG YEAR 1

Kam Sing Lee, ELEC YEAR3

Ryan Wong, ELEC YEAR 3

Electronic Engineer:

Frank Lui, ELEC YEAR 3

Sky Yuen, ELEC YEAR3

Sau Lak Lau, ELEC YEAR3

Leo Kwan, ELEC YEAR 2

Kin Yeung Leung, ELEC YEAR 1

Sheshan Aaron, ELEC YEAR 2

MECH. Engineer:

Ho Sum Lee., MECH YEAR 2

Mentor:

Prof. Tim Woo, Instructor

Ka Hou Lok, Mentor



ROV Specification

ROV Name: Gear

Total Cost: USD 5013

Primary Construction materials:

Acrylic, PVC, aluminum

Approximate dimensions:

(W X L X H) 0.7 m X 0.8 m X 0.8 m

Total Weight in air: 30 kg

ROV Feature

Safety Features:

Protective guard for the propellers

Safety labels on the ROV for caution.

In built fuses in the onboard electronic circuits.

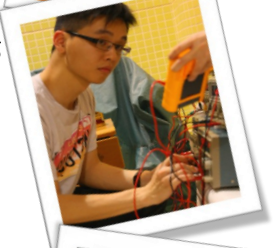
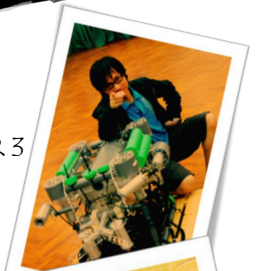
Special Features:

High efficiency self designed propellers

Reference Guider system.

HD Cameras, Gyroscope

Xbox 360 wireless controller and custom GUI



**ALL NEW
TO ROV!**

