

MUREX ROBOTICS

ATTEMPT.
THE.
IMPOSSIBLE.
THINK DIFFERENT.
THINK MUREX.

TEAM INFO

COMPANY NAME: MUREX
SCHOOL: Phillips Exeter Academy, Exeter, NH
CLASS: Ranger
DISTANCE TO COMPETITION: 1,370 mi
RANGE OF GRADE LEVELS: 9-12th
MATE HISTORY: Returning Team
(4 years of Ranger competition)

TEAM MEMBERS

Max Liu [CEO] (3rd Year, '26)
Anika Sivarasa [CTO] (2nd Year, '26)
Osbert Chang [Pilot, Mechanical Engineer] (2nd Year, '27)
Varit Asavathiratham [COO] (2nd Year, '25)
Crane Lee [CSO] (2nd Year, '27)
Fiona Liu [Mechanical Engineer] (1st Year, '28)
Andrew Chen [Mechanical Engineer] (1st Year, '28)

ROV INFO

ROV NAME: MUREX ROV4.0
COST: \$2000
SIZE: 45 cm x 36 cm x 20cm
WEIGHT: 12kg
TOTAL HOURS TESTED: 40+ total

SAFETY

FULL SYSTEM POWER
MONITORING TRANSIENT,
OVER/UNDERVOLT, SHORTING,
REVERSE POLARITY PROTECTION
25A FUSE
METAL WIRE STRAIN RELIEF

FEATURES

10-DoF SENSING
6-DoF MOVEMENT
22-state advanced EKF
stabilization 4 wide-FOV
cameras
Industrial
electrical systems
Aluminum extrusion exoskeleton
Fully open-source

