DELTA ROV

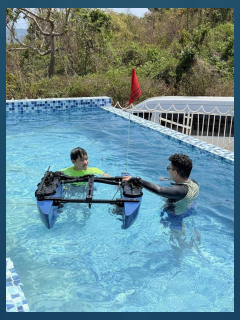
BLUE BOAT TRAINING COURSE

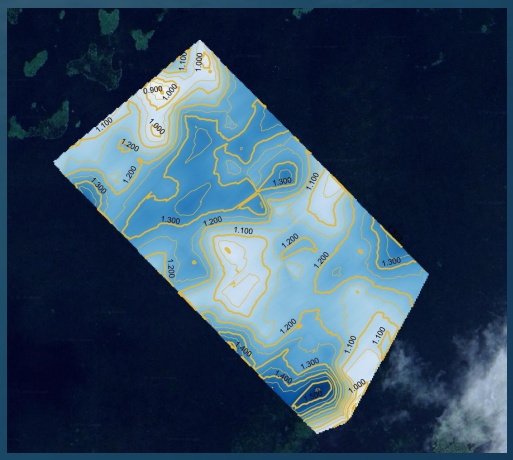
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The BlueBoat training course is designed for individuals with no prior technical background or experience with the BlueBoat system and bathymetric surveying. Starting from foundational concepts, this course covers everything required to safely operate the BlueBoat, perform routine maintenance, troubleshoot issues, plan missions, acquire data, and generate professional bathymetric maps.









MODULES

- **Welcome to Delta ROV's BlueBoat Training Program** · 1 h
- **BlueBoat Components** · 1 h
  Overview of all major components and what they do
- **Software used with your BlueBoat** · 4 h
  BlueOS
  QGroundControl (QGC)
  Delta ROV Water Quality Logger
  QGIS
- **BlueBoat Assembly** · 8 h
- **BlueBoat Electronics System** · 2 h
  Raspberry Pi 4
  Navigator Flight Controller
  GPS / Compass Module
  2.4 GHz WiFi Radio
  Basic ESC 500
  Fuse Board
  Power Switch
  NavLight
  4S LiPo Battery
  Ethernet Switch
- **BlueBoat Operator's Guide** · 2 h
  Connecting and charging batteries
  Loading payload
  Mission planning
  Setting up for and conducting a mission
- **Bathymetric Survey With Ping1D** · 2 h
  Setup and operation of Ping1D
  Conducting a bathimetric survey
  How to collect data
  How to build a map using QGIS
- **Water Quality sensors** · 4 h
  Turbidity/Temperature probe
  Dissolved oxygen/Temperature probe
  Chlorophyll/Temperature probe
  Conductivity/Temperature/Salinity probe
  Installation
  Maintenance
  Calibration
- **Practical Session 1** · 4 h
  Calibrating the Blueboat
  Manual control
  Launch and recovery method
  Straight line mission
- **Practical Session 2** · 4 h
  Plan your first mission
  Straight lines and testing the range of the antenna.
- **Practical Session 3** · 4 h
  Plan a real mission
  Rectangle pattern site 1
- **Practical Session 4** · 2 h
  Plan a real mission
  Rectangle pattern site 2
- **Q&A** · 2 h
  Questions and Answers
  Time allowed for completing modules that haven't been finished

VARIANTS AND SCHEDULE

Standard · 4 days · 32 h

Time	**Day 1** 13:00–17:00	**Day 2** 08:00–17:00	**Day 3** 08:00–17:00	**Day 4** 08:00–17:00	**Day 5** 08:00–12:00
08:00–09:00		Software used with your BlueBoat	BlueBoat Operator's Guide	Water Quality sensors	Practical Session 4
09:00–10:00		Software used with your BlueBoat	BlueBoat Operator's Guide	Water Quality sensors	Practical Session 4
10:00–11:00		10:00–10:15 break Practical Session 1	10:00–10:15 break Practical Session 2	10:00–10:15 break Practical Session 3	10:00–10:15 break Q&A
11:00–12:00		Practical Session 1	Practical Session 2	Practical Session 3	Q&A
12:00–13:00		*Lunch*	*Lunch*	*Lunch*	
13:00–14:00	Welcome to Delta ROV's BlueBoat Training Program	BlueBoat Electronics System	Bathymetric Survey With Ping1D	Water Quality sensors	
14:00–15:00	BlueBoat Components	BlueBoat Electronics System	Bathymetric Survey With Ping1D	Water Quality sensors	
15:00–16:00	15:00–15:15 break Software used with your BlueBoat	15:00–15:15 break Practical Session 1	15:00–15:15 break Practical Session 2	15:00–15:15 break Practical Session 3	
16:00–17:00	Software used with your BlueBoat	Practical Session 1	Practical Session 2	Practical Session 3	

Standard + Assembly · 5 days · 40 h

Time	**Day 1** 13:00–17:00	**Day 2** 08:00–17:00	**Day 3** 08:00–17:00	**Day 4** 08:00–17:00	**Day 5** 08:00–17:00	**Day 6** 08:00–12:00
08:00–09:00		Software used with your BlueBoat	BlueBoat Assembly	BlueBoat Operator's Guide	Water Quality sensors	Practical Session 4
09:00–10:00		Software used with your BlueBoat	BlueBoat Assembly	BlueBoat Operator's Guide	Water Quality sensors	Practical Session 4
10:00–11:00		10:00–10:15 break BlueBoat Assembly	10:00–10:15 break Practical Session 1	10:00–10:15 break Practical Session 2	10:00–10:15 break Practical Session 3	10:00–10:15 break Q&A
11:00–12:00		BlueBoat Assembly	Practical Session 1	Practical Session 2	Practical Session 3	Q&A
12:00–13:00		*Lunch*	*Lunch*	*Lunch*	*Lunch*	
13:00–14:00	Welcome to Delta ROV's BlueBoat Training Program	BlueBoat Assembly	BlueBoat Electronics System	Bathymetric Survey With Ping1D	Water Quality sensors	
14:00–15:00	BlueBoat Components	BlueBoat Assembly	BlueBoat Electronics System	Bathymetric Survey With Ping1D	Water Quality sensors	
15:00–16:00	15:00–15:15 break Software used with your BlueBoat	15:00–15:15 break BlueBoat Assembly	15:00–15:15 break Practical Session 1	15:00–15:15 break Practical Session 2	15:00–15:15 break Practical Session 3	
16:00–17:00	Software used with your BlueBoat	BlueBoat Assembly	Practical Session 1	Practical Session 2	Practical Session 3	

TRAINING VENUE







Delta ROV's Training facility located in Bolinao, Pangasinan
The training facility includes a classroom and dining area on a fully enclosed deck with direct access to the pool, an open dormitory with beds and restrooms, a full kitchen, a living room, and a computer area.

Maximum capacity is 9 students, or up to 16 with shared bedding.

Note: Guests may stay in the dormitory free of charge or rent a hotel room nearby.

MEAL PACKAGE

Food service and cleaning
This fee is charged per student, per day. It covers catering, cleaning, and three daily meals for up to 3 staff members, as well as non-alcoholic beverages and snacks. Meals are served buffet-style with a self-service selection.

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