

## Ocean Challenge 2021, Sponsored by AIT/K and OAC

**Participants:** Students from all universities, national high schools, and international schools. Teams must be composed of 2 to 8 students, who can communicate (both written and oral) and think critically in English.

**Application:** Be submitted digitally by email to [youthocean@oac.gov.tw](mailto:youthocean@oac.gov.tw) or [YouthOcean@mail.ait.org.tw](mailto:YouthOcean@mail.ait.org.tw) or mailed in hard copy to the Ocean Affairs Council at 806, #25, Chenggong 2nd Road, Qianzhen District, Kaohsiung City, or the American Institute in Taiwan Kaohsiung Branch Office at 806, #88, Chenggong 2nd Road, Qianzhen District, Kaohsiung City, postmarked by November 5, 2020 at 5:00 PM.

### Proposal Details:

1. The written proposal must highlight a challenge facing the ocean and propose a solution, integrating innovative thinking, field research, ecological conservation, product design, creative marketing, cultural preservation and maintenance, by using AI, Big Data, APP, underwater unmanned vehicles (UUV), etc.
2. The proposal in English, must include a description of the current situation, analysis of the problem, the solution, the planned execution, role of each team member, the proposed timeline, funding, and expected results.
3. The final team members will be invited to present its proposal at a conference to be held in March 2021 and will need to answer questions in English by a panel of judges. The project may be presented as a slideshow presentation, TedTalk or a film.

**Awards:** Eight teams will be selected for the final round. The awards are as follows:

First place: NT\$30,000 equivalent award and a certificate

Second place: NT\$20,000 equivalent award and a certificate

Third place: NT \$10,000 equivalent award and a certificate

All place finalists will all receive a certificate

All finalist teams will be invited to experience Brogent Technologies's i-Ride simulation.

### Selection Criteria:

- (1) The Ocean Affairs Council (OAC) and the American Institute in Taiwan's Kaohsiung Branch Office (AIT/K) will review the teams' written proposals and select total 8 teams to participate in the final competition.
- (2) Criteria for the primary selection of the written proposal include:
  - a. Clarity/Precision to Topic/Effectiveness (30%)
  - b. Creativity/Innovation (35%)
  - c. Feasibility (35%)
    - c.i. Project implementation steps and methods
    - c.ii. Planning of Human Resources and Timeframe

- c.iii. Integration of resources between government departments and non-governmental organizations
- c.iv. Rationale of Budget

(3) Criteria for final round selection include:

- a. Clarity/Precision to Topic/Effectiveness (20%)
- b. Creativity/Innovation (25%)
- c. Feasibility (25%)
- d. Q&A Responses (30%)
  - d.i. Team discussion and cooperative interaction
  - d.ii. Fielding questions from the judges and on-site participants and providing thoughtful and honest responses.

**Mentoring:** Will be held on Tuesday December 15, 2020, to include a visit to OAC and counseling with experts in the field to help students as they prepare for the final competition. The group will then visit AIT Kaohsiung.

**The Final Event:** Will be held on Wednesday March 3, 2021, at Brogent Technologies Co., Ltd. (No. 9 Fuxing 4th Road, Qianzhen District, Kaohsiung City. The eight finalist teams will present prototypes/presentations of their proposal in English.

**Timeline:**

Date	Agenda
Thursday, November 5, 2020	Deadline to Submit Written Proposal
Friday, November 20, 2020	Finalists Announced
Tuesday, December 15, 2020	Mentoring Activities
Wednesday, March 3, 2021	Final Competition

**Point of Contact:**

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AIT/K: Mr. Lee, David Jia-Yi; Telephone: 07-3355006 ext. 6007