



VIRTUAL & ON-SITE PROGRAM
BLUE ENERGY FOR BLUE ECONOMY 2023
10 February – 06 June 2023

A. Program Overview

To continue the successful accomplishment of previous collaboration between ITS and Heriot-Watt University in the Blue Energy and Blue Economy project, 2021 & 2022, the program is currently proceeding into virtual program and on-site project implementation in Indonesia for 2023. The virtual program will be conducted **once a week** with the combination of international students from Heriot-Watt University and ITS Students, while the on-site project will be applied for one week in a particular area of Blue Energy and Blue Economy implementation in Indonesia. The students are going to have a chance to experience the class with the current updated curriculum on sustainable blue energy and blue economy. The lecturers on this course will consist of academics, professionals, and also expertise on the subject which are from ITS, Heriot-Watt University, Indonesian Blue Energy for Blue Economy Centre (IBEC), and Aquatera Ltd. The best students will be selected and invited to join two weeks on-site project implementation that will be conducted in one of the implementation area of Blue Energy and Blue Economy in Indonesia.

B. Timeline

Activities	Timeline
Virtual Program 1*	10 February – 19 May 2023
On-site Project	21 – 28 May 2023
Virtual Program 2*	02 – 06 June 2023

*) : The class will be conducted once a week on every **Friday 15.30 – 18.00 (WIB / UTC+7)**

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C. Agenda

Meeting	Date	Time (UTC+7)	Time (UK Time)	Topic
1	10 February 2022	15.30 - 16.30	08.30 - 09.30	Program Overview
		16.30 - 18.00	09.30 - 11.00	Energy in the 21st Century
2	17 February 2022	15.30 - 18.00	08.30 - 11.00	Economics of Renewable Energy
3	24 February 2022	15.30 - 18.00	08.30 - 11.00	Decarbonisation & Energy Transition
4	3 March 2022	15.30 - 18.00	08.30 - 11.00	Coastal Blue Economy
5	10 March 2022	15.30 - 18.00	08.30 - 11.00	Environmental Policy & Risk - Indonesia
6	17 March 2022	15.30 - 18.00	08.30 - 11.00	Oceanography & Marine Ecology
7	24 March 2022	15.30 - 18.00	08.30 - 11.00	Introduction to wave energy conversion
8	31 March 2022	15.30 - 18.00	08.30 - 11.00	Introduction to tidal energy conversion system
9	7 April 2022	15.30 - 18.00	08.30 - 11.00	Renewable Technology: Integration
10	14 April 2022	15.30 - 18.00	08.30 - 11.00	Blue Energy and Blue Economy: Social and Cultural Approach
	21 April 2022	Public Holiday in Indonesia		
11	28 April 2022	15.30 - 18.00	08.30 - 11.00	Case studies (large and small/ lab-scale and on-site installations)

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12	5 May 2022	15.30 - 18.00	08.30 - 11.00	Case studies (large and small/ lab-scale and on-site installations)
13	12 May 2022	15.30 - 18.00	08.30 - 11.00	Case study: Aquaculture in Malang
14	19 May 2022	15.30 - 16.30	08.30 - 09.30	Development Appraisal
		16.30 - 18.00	09.30 - 11.00	Final Test
	21 May 2023			On-Site Program
	23 May 2023			On-Site Program
	24 May 2023			On-Site Program
	25 May 2023			On-Site Program
	26 May 2023			On-Site Program
	27 May 2023			On-Site Program
	28 May 2023			On-Site Program
15	2 June 2023	15.30 - 18.00	08.30 - 11.00	On-site Project Sharing & Evaluation
16	9 June 2023	15.30 - 18.00	08.30 - 11.00	Closing Session

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D. Qualifications and Requirements

- **Requirement for ITS Students**

1. Last year undergraduate students / postgraduate students
2. Have good English skills both written and spoken
3. Have an educational background from any major with the strong interest in the development of Blue Energy & Blue Economy in Indonesia
4. Highly motivated and committed to attend all the session during the program
5. Scan of student/lecturer ID Card

- **Requirement for Heriot Watt University students**

1. Undergraduate or postgraduate students at Heriot-Watt University
2. Have an educational background from any major with the strong interest in the development of Blue Energy & Blue Economy in Indonesia
3. Highly motivated and committed to attend all the session during the program
4. Formal photo
5. Passport / ID Card / Student Card

E. Registration

Please kindly visit this following link to register in this program:

<https://its.id/BlueEnergy2023>

Deadline: 03 February, 2023

F. Credit Transfer Regulation

- As to support the program of Indonesia's freedom of learning (*Merdeka Belajar Kampus Merdeka*), participants are allowed to claim credit transfer of this program
- To claim the credit transfer on this program, participants have to attend all the session (85%) during the program
- This program consists of 3 SKS / 1.7 ECTS with the detail as follow:

$3 \text{ SKS} \times 50 \text{ minutes} \times 16 \text{ meetings} = 2400 \text{ minutes} = \mathbf{40 \text{ hours}}$

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- **For ITS Students**

For those who would like to make a credit transfer from this program, you may take one of the courses option below in this semester (Spring/Genap 2022/2023):

- i. **Sistem Konversi Energi Laut Terbarukan - MBKM - (ME184927)**

- 1. Credit: 2 SKS
 - 2. Departemen Teknik Sistem Perkapalan

- ii. **Global Project based Learning (GPbL) - MBKM - (TI184997)**

- 1. Credit: 3 SKS
 - 2. Departemen Teknik Sistem dan Industri

- **For Heriot-Watt University Students**

For those who would like to make a credit transfer from this program, you may consult first with your supervisor OR with Dr. Joanne Porter, j.s.porter@hw.ac.uk

G. Visa Information

Students who will visit Indonesia for a short program (less than 60 days) are currently allowed to use Visa on Arrival (VoA). Students may arrange their own VoA in the arrival airport in Indonesia. By having VoA, students are eligible to stay in Indonesia for 30 days:

- Visa on Arrival Fee: IDR 500.000
- Requirements: Valid Passport, Vaccine Certificate, PCR negative result, Proof of Hotel Reservation, and Return Ticket.

Further information regarding Visa on Arrival: <https://www.imigrasi.go.id/en/permohonan-visa-republik-indonesia-wisata-b211a/>

H. Contact Person

Email : international@its.ac.id (*Subject: Blue Energy for Blue Economy*)
WhatsApp : +62 82146836311 (Mr. Harris)

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