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Circular Letter No.4583
8 June 2022

To: All IMO Members
Intergovernmental organizations
Non-governmental organizations in consultative status

Subject: **Communication from the Government of Denmark**

The Government of Denmark has sent the attached communication, received on 8 June 2022, with the request that it be circulated by the Organization.

ANNEX



Office/Department
Center for Energy Islands

Date
06-05-2022

J nr. 2022-5918

/ACPE

To: The IMO Secretariat
Subject: **Energy Island in the North Sea**

Dear Sir/Madam,
Denmark would hereby like to inform the IMO secretariat about the intentions of the forthcoming project for the Energy Island the North Sea. Denmark would kindly ask the IMO secretariat to circulate the contents of this letter to all Member States, intergovernmental and non-governmental organizations of the IMO.

The objective of this letter is to inform all IMO Member States and to ensure that they inform the ships, sailing under their respective flags in the North Sea about the forthcoming project regarding an artificial island in the Danish Exclusive Economic Zone (EEZ) in the North Sea.

Furthermore, the objective is to inform relevant intergovernmental and non-governmental organizations of the IMO.

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Subject: **Energy Island in the North Sea**

Description and timeline for the Energy Island in the North Sea

1 In accordance with UNCLOS article 60 and article 56 Denmark is currently planning the construction of an artificial island, The Energy Island and offshore wind farms in the North Sea.

2 The Energy Island in the North Sea will consist of an artificial island approximately 100 kilometres west of the town Thorsminde on the Danish coast of Jutland in the North Sea. The Energy Island will act as a hub and will be able to serve offshore wind farms with a capacity of 3 GW with the option of expansion to 10 GW at a later stage. The first 3 GW offshore wind farms will be located around the Energy Island (see map below). The location of the Energy Island and the 3 GW offshore wind farms has been chosen with due consideration for recognized shipping corridors essential to international navigation.

3 The planning process is expected to conclude in mid-2023. The construction of the Energy Island will not begin before 2025 and entire project, including offshore wind farms and grid connection is expected to be running no later than 2033.

4 The exact design and size of the artificial island, as well as the framework for construction, is not decided. Furthermore, there is yet no final layout of the connected offshore wind farms. However, a safety zone of up to 500 meters around the Energy Island and the offshore wind farms will be established in accordance with UNCLOS, article 60(5).

The location of the activity in Danish Exclusive Economic Zone

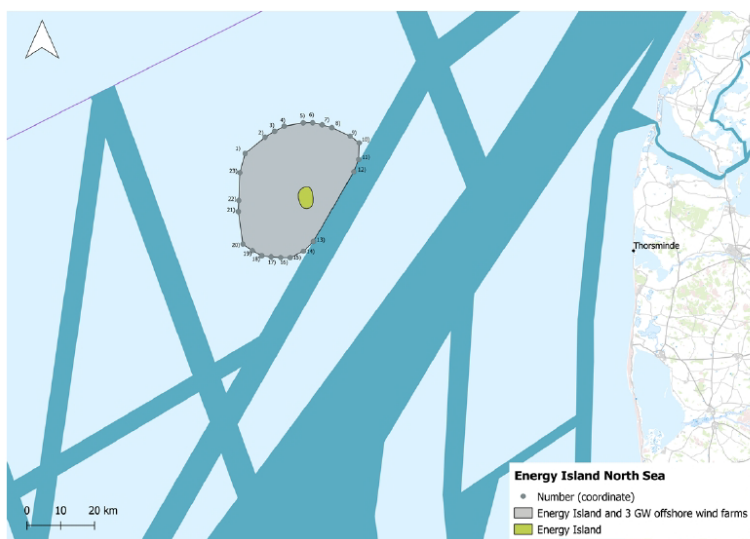
5 The coordinates below indicate the area for the Energy Island and the first 3 GW offshore wind farms:

Table 1: Coordinates for the Energy Island North Sea (ETRS89, UTM32N)

1)	56° 36' 10.701" N	6° 14' 32.260" E
2)	56° 38' 53.879" N	6° 20' 3.497" E
3)	56° 39' 55.021" N	6° 22' 46.644" E
4)	56° 40' 46.630" N	6° 25' 29.791" E
5)	56° 41' 26.003" N	6° 31' 1.029" E
6)	56° 41' 30.075" N	6° 33' 44.176" E
7)	56° 41' 13.785" N	6° 36' 29.795" E



8)	56° 40' 50.703" N	6° 39' 20.358" E
9)	56° 39' 33.206" N	6° 44' 43.717" E
10)	56° 38' 33.493" N	6° 47' 27.327" E
11)	56° 35' 53.239" N	6° 47' 27.327" E
12)	56° 33' 54.014" N	6° 46' 8.344" E
13)	56° 22' 31.890" N	6° 35' 9.763" E
14)	56° 20' 54.422" N	6° 32' 24.519" E
15)	56° 19' 49.836" N	6° 28' 39.546" E
16)	56° 19' 47.249" N	6° 25' 54.308" E
17)	56° 19' 49.845" N	6° 23' 11.465" E
18)	56° 19' 56.329" N	6° 20' 26.227" E
19)	56° 20' 41.973" N	6° 17' 40.989" E
20)	56° 21' 41.869" N	6° 14' 55.750" E
21)	56° 26' 51.423" N	6° 13' 12.235" E
22)	56° 28' 38.247" N	6° 13' 12.235" E
23)	56° 33' 5.305" N	6° 13' 12.235" E



Navigational Risk Assessment of the North Sea Energy Island and offshore wind farms

7 A Navigational Risk Assessment is currently being carried out for the North Sea Energy Island and offshore wind farms.



8 The Navigational Risk Assessment follows the International Maritime Organization's (IMO's) Formal Safety Assessment (FSA) methodology. Step 1 of this process is the HAZID study, the objective of which is to qualitatively evaluate the maritime traffic safety in relation to the planned North Sea Energy Island and offshore wind farm. This includes identifying navigational hazards associated with the construction and operation phases of the project and reviewing the effectiveness of already planned measures.

9 As part of the HAZID study, a HAZID-workshop was held in January 2022. The HAZID-workshop was conducted as a digital workshop, with a multi-disciplined team of specialists and stakeholders from Danish Shipping, NIRAS, Danish Maritime Authority, Energinet, Danish Energy Agency, Norwegian Coastal Administration, AqualisBraemar LOC, The Royal Danish Navy, Federal Maritime and Hydrographic Agency Germany, Danish Fisheries Agency, TORM A/S, German Fisheries Association, Danske Havn, DanPilot and DNV.

10 The HAZID Report will be published on the DEA webpage in July 2022
<https://ens.dk/ansvarsomraader/vindenergi/udbud-paa-havvindmoelleomraadet/danmarks-energieer/preliminary-site-1>

Navigational information services

11 In order to maintain the safety and efficiency of traffic during the construction phase, the latest information about the ongoing construction activities and location of the work areas are made available in advance via Notice to Mariners and electronical nautical charts (ENC).

12 Any general queries about the Project can be addressed to the Danish Energy Agency, att. Head of Division Carl-Christian Munk-Nielsen (ccmn@ens.dk; +45 33 92 79 02).