BreakingNewsEnglish - Many online quizzes at URL below

Denmark to make artificial clean-energy island

15th March, 2021



Denmark has come up with a practical idea to help its clean energy needs. The Scandinavian nation intends to build an artificial island 80km off its western coast in the North Sea. It is expected to be in full operation by 2033. It

hopes the ambitious project will end Denmark's reliance on fossil fuels within the next three decades. Denmark is currently Europe's largest oilproducing country, so a move towards 100 per cent clean energy and the end of oil production will provide a huge boost for its green credentials. Jacob Ostergaard, a professor of electric power and energy, described the project as, "a cornerstone in the green transition which will help facilitate the reduction of Danish CO2 emissions".

The island will be roughly the size of 18 football fields. It is projected to cost around \$34 billion to construct. Much of the energy generated will come from wind farms. These will produce enough electricity to power three million households in Denmark and help make the country carbon neutral. The professor explained that the island had enormous potential to create a greener, cleaner Europe. He said: "In the North Sea, we have tremendous potential for offshore wind, about 180 giga-watts in total. That means we can actually shut down all European coal-fired power plants." Professor Ostergaard added: "It's a Danish initiative, but this, at least with time, is going to be an international effort."

Sources: hypebeast.com / bgr.com / slashgear.com

Writing

All countries with coastlines should build artificial energy islands. Discuss.

Chat

Talk about these words from the article.

practical idea / energy / artificial / island / ambitious / fossil fuels / oil production / football fields / wind farms / electricity / potential / offshore / coal / international

True / False

- a) Denmark will build an artificial energy island 80k long. T / F
- b) Denmark's artificial island will be up and running by 2023. T / F
- c) Denmark hopes to end its reliance on fossil fuels within three decades. T / F
- d) The artificial island will cost around \$34 billion. T / F
- e) The island will be able to provide energy for three million homes. T / F
- f) A professor said the island has the potential to create a greener world. T / F
- g) A professor said coal-fired power plants could shut down in Europe. T / F
- h) A professor said the island is a European effort. T / F

Synonym Match

(The words in **bold** are from the news article.)

- **1. practical** a. endeavour
- **2.** artificial b. dependence
- **3. ambitious** c. possibility
- **4. reliance** d. challenging
- **5. move** e. huge
- **6. construct** f. realistic
- 7. potential g. plan
- 8. tremendous h. shift
- **9. initiative** i. manufactured
- **10. effort** j. erect

Discussion – Student A

- a) What do you think of clean energy?
- b) How clean is the energy you use?
- c) What do you think of the artificial cleanenergy island?
- d) What clean energies does your country have?
- e) What do you think of fossil fuels?
- f) What are the best clean energies?
- g) How damaging is the use of oil?
- h) What do you do to reduce your CO2 emissions?

BreakingNewsEnglish - Many online quizzes at URL below

Phrase Match

- 1. Denmark has come
- 2. 80km off
- 3. end Denmark's reliance
- 4. a move towards 100 per cent
- 5. facilitate the reduction of Danish
- 6. roughly the size of
- 7. wind
- 8. make the country carbon
- 9. tremendous potential for offshore
- 10. coal-fired power

Discussion – Student B

- a) What do you think about what you read?
- b) What do you think of wind farms?
- c) How much energy does your household produce?
- d) How would carbon neutrality change the world?
- e) What do you think of coal?
- f) What three adjectives best describe this story?
- g) What will energy supply look like in 100 years from now?
- h) What questions would you like to ask the professor?

Spelling

- 1. come up with a <u>acrailptc</u> idea
- 2. build an *iatiiaclfr* island
- 3. the tsbiaomui project
- 4. Denmark's Inireeca on fossil fuels
- 5. a cornerstone in the green otinarntis
- 6. CO2 imssesnio
- 7. It is <u>ectperojd</u> to cost around \$34 billion
- 8. power three million osohedhlus
- 9. carbon <u>nratleu</u>
- 10. we have <u>usmrnodeet</u> potential
- 11. hoseofrf wind
- 12. It's a Danish intvaitiie

Answers – Synonym Match

	<u>1. f</u>	<u>2. i</u>	<u>3. d</u>	<u>4. b</u>	<u>5. h</u>
	<u>6. j</u>	<u>7. c</u>	<u>8. e</u>	<u>9. g</u>	<u>10. a</u>

- a. neutral
- b. clean energy
- c. plants
- d. 18 football fields
- e. wind
- f. up with a practical idea
- g. CO2 emissions
- h. its western coast
- i. farms
- j. on fossil fuels

Role Play

Role A – Wind Power You think wind power is the best form of energy. Tell the others three reasons why. Tell them what is wrong with their forms of energy. Also, tell the others which is the worst of these (and why): nuclear power, geothermal power or fossil fuels. **Role B – Nuclear Power** You think nuclear power is the best form of energy. Tell the others three reasons why. Tell them what is wrong with their forms of energy. Also, tell the others which is the worst of these (and why): wind power, geothermal power or fossil fuels. ____ _ _ _ _ _ _ _ _ _ _ _ **Role C – Geothermal Power** You think geothermal power is the best form of energy. Tell the others three reasons why. Tell them what is wrong with their forms of energy. Also, tell the others which is the worst of these (and why): nuclear power, wind power or fossil fuels. **Role D – Fossil Fuels** You think fossil fuels are the best form of energy. Tell the others three reasons why. Tell them what is wrong with their forms of energy. Also, tell the others which is the worst of these (and why): nuclear power, geothermal power or wind power.

Speaking – Energy

Rank these with your partner. Put the best at the top. Change partners often and share your rankings.

- Geothermal
- Hydropower
- Solar
- Nuclear

Tidal powerBiofuels

Wind farms

Fossil fuels
Answers – True False

