



The Raven

flying towards a greener Earth

A fortnightly newsletter by **EnviSAGE**



“What is the use of a house if you haven’t got a tolerable planet to put it on?”

- Henry David Thoreau

The Right Intentions!

Denmark to build 'first energy island' in North Sea



A project to build a giant island providing enough energy for three million households has been given the green light by Denmark's politicians. The world's first energy island will be as big as 18 football pitches (120,000sq m), but there are hopes to make it three times that size. It will serve as a hub for 200 giant offshore wind turbines. It is the biggest construction project in Danish history, costing an estimated 210bn kroner (£24bn; €28bn; \$34bn). Situated 80km (50 miles) out to sea, the artificial island would be at least half-owned by the state but partly by the private sector. **It will not just supply electricity for Danes** but for other, neighbouring countries' electricity grids too. the UK could benefit, as well as Germany or the Netherlands. Green hydrogen would also be provided for use in shipping, aviation, industry and heavy transport. Under

Denmark's Climate Act, the country has committed to an ambitious 70% reduction in 1990 greenhouse gas emissions by 2030, and to becoming CO2 neutral by 2050. [Last December it announced it was ending all new oil and gas exploration in the North Sea.](#)

A smaller energy island is already being planned off Bornholm in the Baltic Sea, to the east of mainland Denmark. Agreements have already been signed for electricity to be provided from there to Germany, Belgium and the Netherlands. [Last November the European Union announced plans for a 25-fold increase in offshore wind capacity by 2050, with a five-fold increase by 2030.](#) Renewable energy provides around a third of the bloc's current electricity needs:

- According to the EU, offshore wind supplies a current level of 12 gigawatts
- Denmark supplies 1.7 gigawatts
- The new island would supply an initial 3 gigawatts, rising to 10 over time
- The smaller Bornholm energy island would provide 2 gigawatts

While there is some secrecy over where the new island will be built, it is known that it will be 80km into the North Sea. Danish TV said that a Danish Energy Agency study last year had marked two areas west of the Jutland coast and that both had a relatively shallow sea depth of 26-27m.

Here We Go Again!



Recently Uttarakhand faced a floods in the chamoli region. The main reason for this flood is still unknown but according to some scientists and researchers, this flood is a glacial lake outburst flood. A [glacial lake outburst flood](#) is a type of outburst flood occurring when water dammed by a glacier is released. Glacial lake outburst flood are not unusual, but their impact depends on the size of the lake that burst, and location. This event is reportedly to be triggered by an avalanche that was reported in the region two days ago..

Beacon Of Hope!



A woman material engineer in Kenya Nzambi Matee, started a company “**Gjenge Makers**” in 2018 which manufactures bricks from recycled plastic which are 5 - 7 times stronger than concrete. Matee also designs the machines that manufacture the bricks and produces paving stones after the plastic polymer is heated and mixed with sand which results in building materials in a variety of colours pressed via hydraulic machine into different thicknesses, costing an average of \$7.70 per square meter. She with her 110 employees churn out about 1,500 bricks daily and have recycled about 20 metric tons of plastic waste till date.

Now You Know!



What is plant based meat and is it better than meat?

Recent studies have shown that meat can be developed through plant as well. And the name of this potential boon is “plant-based meat”. It refers to all plant based products which can mimic meat in taste, texture, smell and appearance. Plant based meat are of two types-

- WHOLE MUSCLE MEAT- Resembles steak, chicken breast or any other muscle meat.
- RESTRICT MEAT- Used in making sausages and beef meatballs.

This artificial meat made of grains, legumes, starch and flours, has numerous health benefits like lowering of blood pressure, reduces risk of developing cardiovascular diseases and prevents type 2 diabetes. With these numerous health benefits and minimal negative impacts, it can readily replace meat and can help in environment preservation.

Watch, Environment & Chill...

Mad Max Fury Road



Mad Max Fury Road starring Tom Hardy is an Action/Adventure movie. The movie timeline has set into the post-apocalyptic Earth where people have access to petrol but fighting over water. The story will take you on the quest with Max to over throw a tyrant who controls the land's water supply.

Mad Max Fury Road is available on Prime Video.

Silent Running



Silent Running is a 1972 environmental-themed American post-apocalyptic science fiction film. The movie has set in the future where all botanical life on Earth has ended. The protagonist Freeman Lowell maintains a greenhouse on a space station in order to preserve various plants for future generations along with his three robots and a small human crew. The movie will show the efforts of Lowell and his three robots to keep their invaluable greenery alive.



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