

Green Inventions for Shipping

An activity of "Winds of change: the return of cargo sailboats"

"**Winds of Change: the return of cargo sailboats**" (page 11, *What's Up* September 2022) tells us about the comeback of cargo vessels that use wind power. Let's practise our research skills to find out more about other green inventions for shipping.

1. Divide your class into five groups. Browse the websites and watch the videos indicated below, about specific green inventions.

GROUP 1: THE OCEANBIRD

➤ www.theoceanbird.com/the-oceanbird-concept/

Solving for Zero: The Wind-Powered Oceanbird by Wallenius Marine

➤ www.youtube.com/watch?v=SgqZCSXxuq0 (Bill Gates, 2022)

GROUP 2: SKYSAILS

➤ www.skysails-marine.com

SkySails Marine: Wind Propulsion Systems for Vessels

➤ https://www.youtube.com/watch?v=O_ICkaKGmIM (SkySails Group, 2019)

GROUP 3: NORSEPOWER ROTOR

➤ www.norsepower.com/

Bringing sailing back to shipping

➤ www.youtube.com/watch?v=9JiRueZo8kY (Norsepower Ltd, 2020)

GROUP 4: WINDWINGS

➤ www.yaramarine.com/windwings

BARTech WindWings by Yaramarine Technologies

➤ www.youtube.com/watch?v=N_oHkQaLinU (BAR Technologies, 2021)

GROUP 5: SEAWING

➤ www.airseas.com/pdf/kline.pdf

Seawing By Airseas

➤ www.youtube.com/watch?v=YujHsdXUi64&t=14s (Airseas, 2022)

2. Create a PowerPoint presentation of four to five attractive slides to share your findings.

Your group's presentation should include:

- A picture of the shipping invention (with credits) and its name
- What it does.
- Who invented it.
- What stage of development the project is in.
- Why it is considered environmentally friendly.