

## L5-C3 Which algorithm?

You have to design the navigation algorithm for a robotic ship that navigates around the UK, outside the territorial waters (22km from the coast), based on the vector map on the right. Which of the statements below are correct (multiple correct answers possible)?

- A. Potential field navigation would not work here, as there are possible local minima.**
- B. Voronoi diagrams need the information of the limits of the sea, not available in this map.**
- C. Visibility graphs applied to the borders extended by 22km could generate optimal paths.**
- D. An occupancy-grid map with cells of 10km of side and a A\* path search could work, but the path would not be optimal.**

