

3 a Match the GPS applications (1–6) to the descriptions (a–f).

1 topographical surveying	a navigation and safety at sea
2 geological exploration	b setting out positions and levels of new structures
3 civil engineering	c mapping surface features
4 avionics equipment	d applications in mining and the oil industry
5 maritime applications	e highway navigation and vehicle tracking
6 GPS in cars and trucks	f air traffic control, navigation and autopilot systems

b In pairs, practise explaining the applications of GPS in Exercise 3a to a colleague who has limited knowledge of the devices using the following phrases.

used for -ing used to useful for another / a similar use

4 a Complete the following extracts from the conversation by underlining the correct words.

- 1 ... there's a setting on the GPS that allows/prevents it to detect the movement ...
- 2 ... an alarm sounds to warn you, and allows/prevents the boat from drifting unnoticed.
- 3 ... and enables/ensures that you don't lose track of where you were, which then enables/ensures you to turn round and come back to the same point ...

b Match the words in Exercise 4a to the synonyms.

- 1 _____ = makes sure 2 _____ / _____ = permits 3 _____ = stops

c Complete the following extract from the user's manual of a GPS device using the verbs in Exercise 4a. Sometimes, more than one answer is possible.

INTRODUCTION

The core function of your GPS receiver is to (1) _____ you to locate your precise geographical position. To (2) _____ the device to function, it receives at least three signals simultaneously from the GPS constellation – 30 dedicated satellites which (3) _____ receivers can function anywhere on earth. To (4) _____ extremely precise positioning and (5) _____ errors from occurring due to external factors, this device is designed to receive four separate signals (see enhanced system accuracy on page 18).

5 In pairs, explain the main functions and applications of a product made by your company or a product you know about. Student A, you are an engineering manager; Student B, you are a new employee. Use the language from this section and the phrases in the box. Swap roles and practise again.

I see. So ... OK. In other words ... So you mean ...