Exercise 10

Exercise: Envisioning Future Drone Applications

Task: Imagine it's the year 2030, and drone technology has advanced significantly. Write a short scenario (250-300 words) describing a potential use of drones in a specific industry or field, highlighting the benefits and impact of the advanced drone technology.

Example:

Title: "Drones in Urban Planning: Smart City Development"

In 2030, the city of Accra, Ghana, has embraced advanced drone technology to revolutionize urban planning. Equipped with high-resolution cameras and precise navigation systems, drones are used to create detailed 3D models of the city, enabling urban planners to identify areas for improvement and optimize infrastructure development.

With extended flight times and faster charging, drones can now conduct thorough surveys of the city, detecting potential issues like traffic congestion and energy inefficiencies. The data collected is analysed using AI algorithms, providing insights that inform sustainable urban development strategies.

As a result, Accra has become a model for smart city development, with drones playing a crucial role in creating a more liveable, efficient, and environmentally friendly urban environment. The impact of drone technology has not only improved the quality of life for citizens but also

attracted businesses and investments, driving economic growth and development.

Your turn! Choose an industry or field, such as disaster relief, agriculture, or package delivery, and envision how advanced drone technology could transform it.