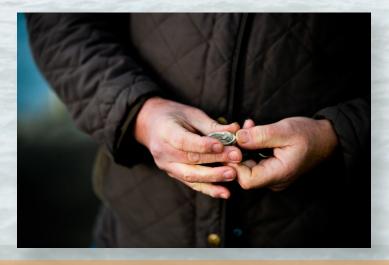# Future of Food
Futuristic Aquaculture

It is very difficult to collect data and monitor stocks in the sea. The harsh conditions and general lack of connectivity mean that farmers and research organisations have little information about life beneath the waves.

The project focuses on how 5G could provide suitable connectivity to Jurassic Sea Farms in Portland Port. Collaborating with RS Aqua, Wessex Internet is connecting their rugged sensors to 5G to prove that the technology is suitable to collect information such as oxygen levels and light levels in the water. This information can help the farmer manage their crop appropriately to minimise waste and maximise yields.

Wessex Internet is also working with the University of Exeter and JET Engineering, to develop a solution which enables farmers to see what is going on under the water. The University of Exeter are using Artificial Intelligence (AI) to measure biofouling levels on the seaweed crop. Being able to understand this information, helps the farmer understand and manage the health of the farm ecosystem now and into the future.