



5G Rural Dorset

Connected Coast Surf Condition Monitoring Buoys

In order to provide a sea condition monitoring system designed to help save lives, we have deployed a low-profile 5G enabled buoy in Lulworth Cove.

This buoy uses the improved data communication speeds and bandwidth of 5G networks to communicate regular updates about sea conditions.

As well as 5G network connectivity, the buoy has a sensor pack onboard that collects real-time data that includes tide height, wave height and frequency and current strength and direction.



This data is transferred to the onshore 5G network and displayed on the connected signs deployed as part of the project.

With detailed and real-time sea condition information easily accessible to multiple users, the objective is to reduce risk to life – to stop people becoming involved in an unsafe situation in or near the sea, and to aid emergency services when performing any life-saving operations.

