

HEYSHAM TO M6 ROAD LINK-COSTAIN

Project Background

The new road will complete the a connection between Heysham and Morecambe peninsula to Junction 34 of the M6, and will be a 4.8km dual carriageway containing foot and cycle paths. The project also involves a fully remodeled junction 34, with joining roads, a crossover of the River Lune and a 600 space park and ride site. The new road will provide better access for residents, businesses and tourists to the area, bypassing the smaller towns in the surrounding area.



ATEC-3D Involvement

ATEC-3D were asked by Costain to come and visit the site and use both fixed wing and multi rotor drones to capture photographic and point cloud imagery. Using the fixed wing system, ATEC created a fully accessible 3D model of a section of the road link. This was tied in with data provided by the on-site surveyors to give accurate geo-location. Along with the 3D model, a high definition aerial video of the site was also created using a multi rotor DJI inspire. Both the 3D model and the video were then presented by ATEC-3D at the 2015 BIM conference in Sheffield, UK. The presentation highlighted the ability to increase the weekly/monthly awareness of all projects and highlighting the cost saving from other forms of aerial surveillance. ATEC-3D identified that by using UAV technology very detailed surveillance can be carried out for fractions of the cost of a ground survey team and within a week a total site model can be generated.



ATEC-3D