



## Case Study

### **Case Study: working as a team**

We were asked by leading drone operators, Rotograph Surveys if we could help with a challenging project to provide a survey grade accurate model of a complex roof at a school in Yorkshire.

The location of the school and ongoing building work meant the site was complex in layout and access was very restricted. The roof itself was a classic piece of Victorian design with numerous ridges and valleys.

The clients of Rotograph wanted accuracy so they could use the model to construct a replacement roof off site to reduce time on site and to plan the scaffolding of the site when construction begins.

Working closely with Rotograph we were able to provide a solution utilising Real Time Kinetic (RTK) corrections to gather accurate drone data which we then worked on with Cre8ive Media to generate the final accurate model for delivery.

Planning had to take account of local residential properties, busy roads, a near by heliport and a working school.

Site access was a organised at a weekend to minimise risks and inconvenience and the police were also notified.

The model was constructed using a manually controlled drone as opposed to using a standard area flight plan due to the issues caused my parts of the site being difficult to reach due to fencing and trees, but we still used RTK to gain accurate positioning for the final model.

The benefits of bringing three firms together for delivery is the client got what they needed on time and budget with each firm utilising their expertise.

