

COPTRZ



CASE STUDY

Castle Keep Surveys' Transformation with Drone Technology

Background

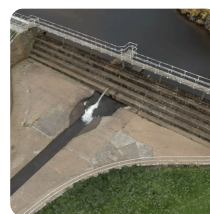
Castle Keep Surveys, founded by Mick Dixon, holds a distinguished history in the surveying industry. Mick, with his 30 years of experience as a surveyor, has owned three different survey companies over the years. After selling his initial company and departing from the second one to explore the restaurant industry, he made a comeback to the world of surveying in 2016. He says, "I've known the industry practically my whole life. It's all I've ever done."

Before the advent of drone technology, Castle Keep Surveys used traditional methods for surveying, including GPS, total station scanning, ladders, and scaffolding. However, the introduction of drone technology has transformed the way Castle Keep Surveys operate.

Adoption of Drone Technology

In 2019, Castle Keep Surveys purchased their first drone, the DJI Phantom 4. Originally, the drone was utilised for creating site videos to provide clients with a unique perspective of their properties.

However, it didn't take long for the company to realise the extensive potential of drones in executing mapping missions.



This opened up new avenues for Castle Keep Surveys, allowing them to explore the multifaceted applications of drone technology in the field of surveying.

With the ability to collect more precise and detailed data, they could enhance the accuracy and reliability of their surveying services. This transition not only streamlined their processes but also enriched the value they could deliver to their clients, providing them with more in-depth insights and comprehensive mapping solutions.

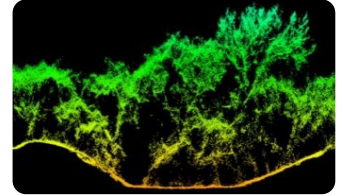
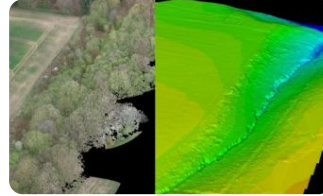
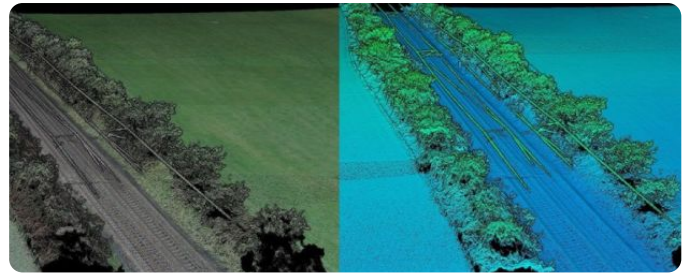


As the company's expertise and interest in drone technology grew, so did their ambition. They began to explore the realm of 3D imaging, a cutting-edge technology that could provide detailed and comprehensive data to their clients. To achieve this, they upgraded their drone fleet, adding the DJI Matrice 300 and the DJI Zenmuse P1 to their arsenal.

The growth of Castle Keep Surveys didn't stop at their equipment. Recognising the need for skilled operators to handle their expanding drone fleet, the company invested in training and now boasts a team of 10 trained pilots.

Today, Castle Keep Surveys' drone fleet is more robust than ever. It includes the DJI Matrice 300 RTK, multiple airframes from the DJI Mavic Series, and several sophisticated payloads such as the Emesent Hovermap and DJI Zenmuse L1. This expansion reflects the company's commitment to staying at the forefront of technology and providing their clients with the best possible service. The journey that began with a single Phantom 4 drone has transformed Castle Keep Surveys into a leading player in the industry.

Mick explains, "We still mostly use the drone for covering large areas of land. With the L1 LIDAR, we just use it as a tool alongside our other surveys to get the information as quickly as possible. It's brilliant."



Partnership with Coptrz

Castle Keep Surveys first came across Coptrz in 2019 when James Pick got in touch. Mick, who has a personal interest in drones, did the first ever training session for the company, which was the PfCO at the time. Since then, several team members have been trained on the A2 CofC and are going through the GVC. Mick says, "We're trying to push it out as much as we can in the company. I want any of our team to be able to go to a job and put the drone up and get it done in less time. This would allow us to work a lot more efficiently as a company".

Conclusion

Castle Keep Surveys' experience with drone technology demonstrates how it can revolutionise traditional industries, making them more efficient and enabling them to undertake tasks that were previously impossible. Their partnership with Coptrz has been instrumental in this transformation, providing them with the necessary training and support to fully utilise drone technology.

This partnership has equipped Castle Keep Surveys with the requisite training and support, enabling them to harness the full potential of drone technology.