

Drone based Monitoring from the Common Data Environment

Setting:

For targeted monitoring (safety, structural health, user tracking, construction progress) of structures, we control a drone directly from the BIM model and transmit the live image.

Your Tasks:

Your task is to use a DJI Phantom 4 to make this happen. Create a concept for controlling the drone through a BIM model. Use tools provided by the manufacture to implement and simulate the behavior and submit the images.

What's left you ask? It's the maiden flight !

Project Characteristics

Modeling: ★★☆☆☆
Mathematics: ★★☆☆☆
Programming: ★★★★★
Science: ★★☆☆☆

