



Remote Sensing Techniques



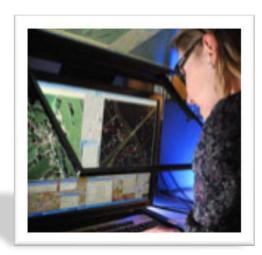
Airborne nadir camera systems



Field Survey



UAV



Stereo processing



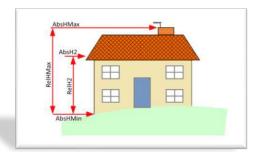
Topography



Imagery Layer



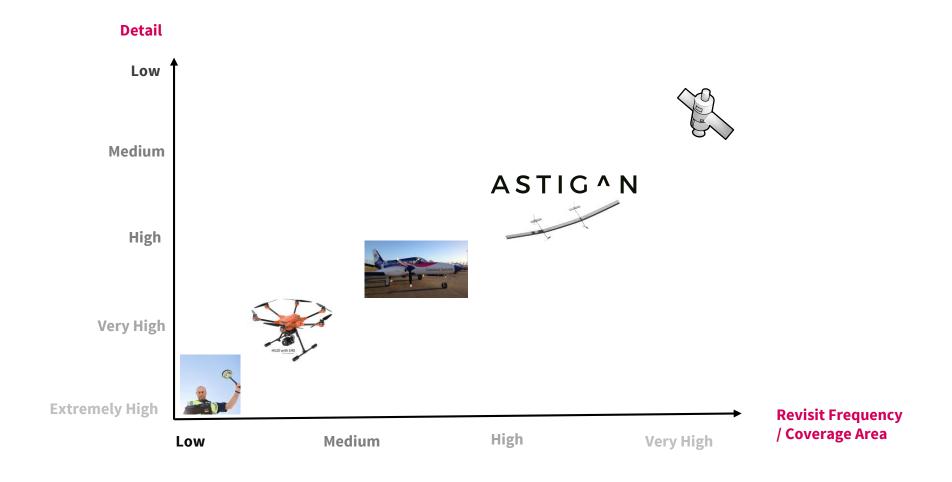
OS Terrain 5 (DTM)



Building Height Attributes



Comparison of data capture methods





UAV use cases



















Cliff Fall Sidestrand, Norfolk

- Health and Safety case
- Quick response required
- 2 x 20 mins flights
- 3 hours processing time
- 1.5 hours capture time
- Uploaded within a day
- Turn around time: 1.5 days
- Story featured on Anglia News



Astigan High-Altitude Pseudo Satellite



Operating Altitude 67,000ft

BVLOS Control System

Solar Powered

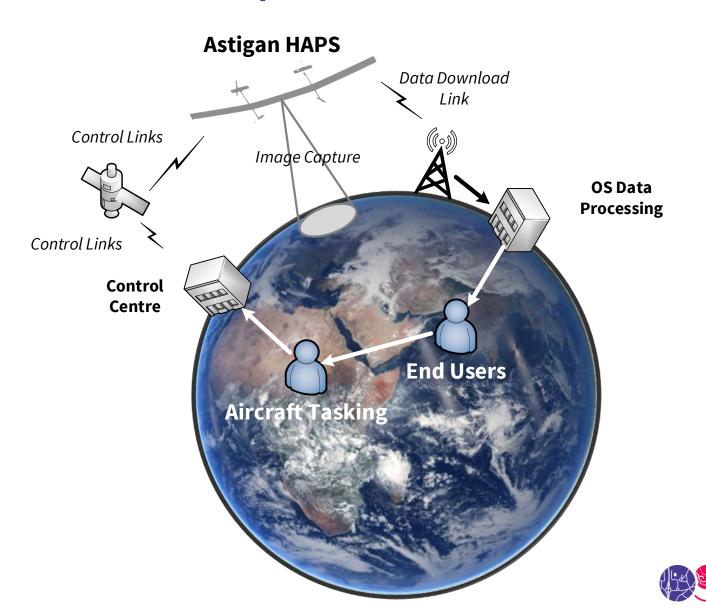
<149kg All-Up Weight

38M Wingspan



OS HAPS System Concept

- High-resolution Imaging Platform
- Aiming to operate BVLOS in UK and Overseas
- Data downloaded by highbandwidth RF link



Potential OS use of HAPS data



ENVIRONMENT



GEOSPATIAL MAPPING



AGRICULTURE



