

INSPIRE
AERIAL IMAGES LTD



We Provide a Safer and cost effective solution to data acquisition, surveying , imaging and video to the Property ,FM, Construction and Agricultural industry sectors throughout the UK.

Inspire Aerial Images are CAA approved with full Commercial Authorisation as required by CAA uk law , using only fully trained RPQS pilots using unmanned aerial vehicles (UAV) to obtain imaging, video and data acquisition for the Property, Construction and Agricultural sectors. We hold full public liability insurance to £2m.

We operate strictly in accordance with our Operations manual to maintain the highest safety standards on site.

We operate UK Nationwide – Contact us for further information.

Property and Estate Images



We are able to provide a rapid safe response to Estate Agent and Property Developer requirements for marketing images of small or very large properties and estates nationwide. Images taken using Small drones give a unique perspective to a property or estate to enhance marketing for sale or promotion.





Construction



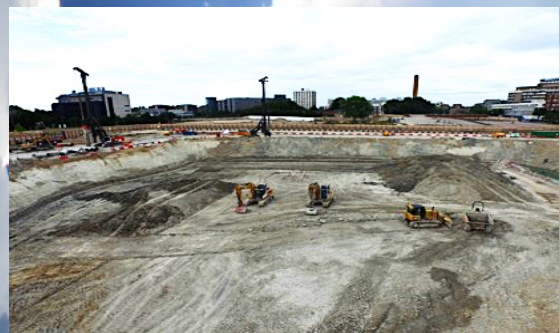
IAI Ltd can offer RPQS pilots with full CSCS and SMSTS training to safely operate on construction sites. Operating strictly to our Operations Safety case manual with full Risk Assessment before every flight we are able to deliver safe, efficient and cost effective aerial images to support :

- Construction Logistics planning
- Progress Imaging
- High level images of work at height removing need for Personnel Access.
- Inspection at height
- Safety and Emergency planning
- Marketing
- Thermal imaging
- 3D models
- Volumetrics
- Digital elevation modelling
- Photogrammetry
- Condition surveys of hard to access areas, ie roofs and chimneys.
- Topographical survey and mapping.

IAI Ltd for a safer future – Reduce work at Height. Our UAVs improve safety to your operations.

OUR SAFE PROCEDURES AND NO WORK AT HEIGHT REDUCE RISK TO AN ACCEPTABLE LEVEL.

- *Our operators work with your teams to collect the necessary data and images to assist site operations.*
- *Mitigate risk- survey difficult to reach areas with minimal access*
- *Reduce cost - we don't need MEWPS or scaffolding.*
- *Reduce time on site - fast data acquisition and speedy deployment mean minimal time on site*
- *Enhanced decision making the images and data can be obtained within minutes.*



Digital Modelling and Digital Elevation Modelling (DEM)

IAI Ltd can obtain images using our UAVs programmed to an automated survey pattern enabling images to be captured at precisely the same height and to a preset overlap across the whole footprint of the survey area.

These images can then be used in specialised software to create highly accurate 3D models of the real time environment, and produce point clouds or digital elevation models to portray the changes of elevation across a site.

This data can be used to measure within the software volumes, cut and fill, distances, area or coordinates of asset object / feature.

The survey can be repeated using the same flight path to compare data from previous images, ie in determining excavation volume progress, ground movement etc.

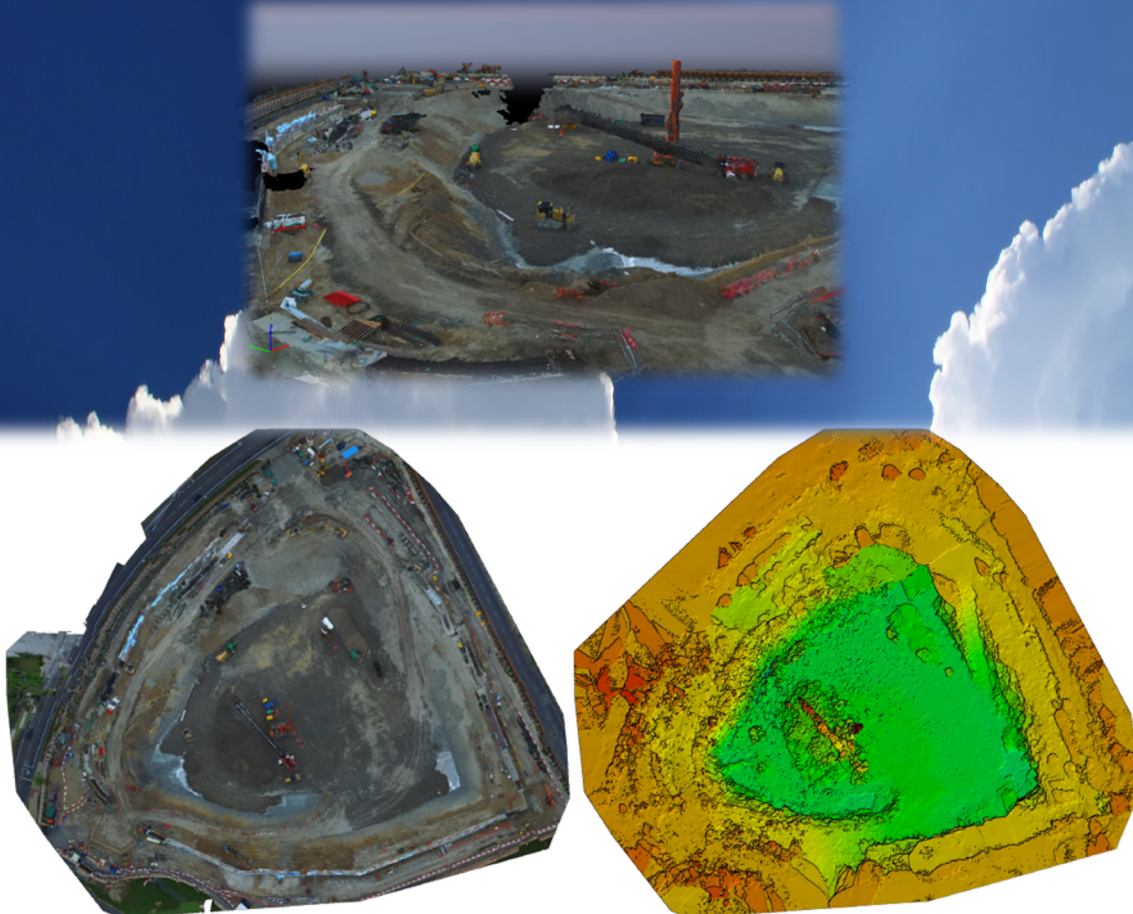


Figure 1: Orthomosaic and the corresponding sparse Digital Surface Model (DSM) before densification.

High Level Inspection and Roof Survey



IAI Ltd can obtain images using our UAVs to assist in inspection of high level areas like roofs or chimneys for private, commercial or construction property.

This imaging or video can quickly and safely identify defects, damage and maintenance requirements for the homeowner, Facilities Management without the need for expensive access equipment or increased risk of personnel work at height.

These images can be obtained within a matter of minutes rather than hours using the traditional access techniques and if need be can be transmitted live to a larger monitor for maintenance



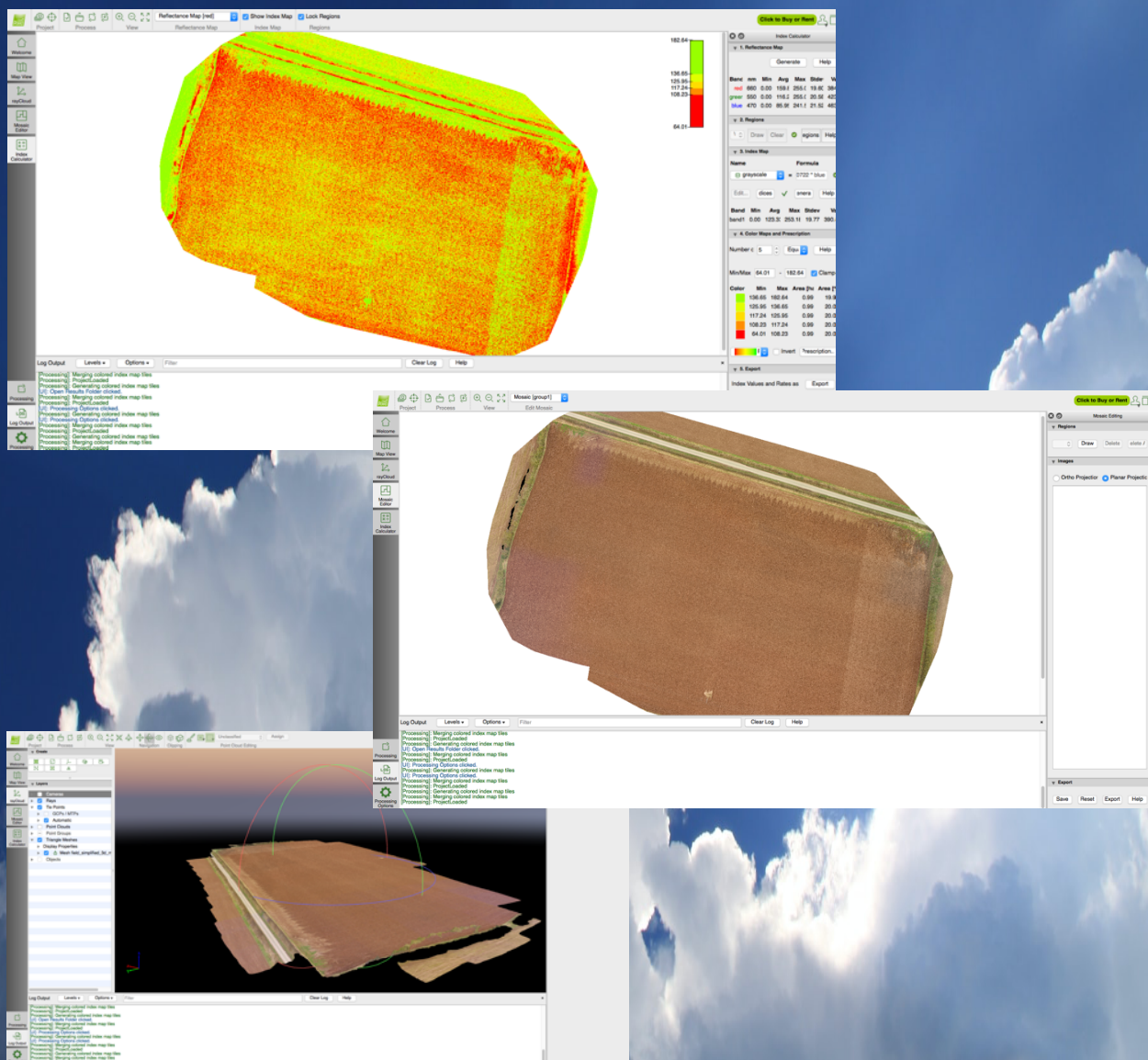
Agriculture



IAI Ltd can obtain images using our UAVs to provide accurate topographical survey and upto date images of farm land, fields and infrastructure using the UAV's is an automated survey mode the data acquired can be used to provide 3d models, aerial seamless high resolution images, and can also be converted in our software to show NDVI - NORMALISED DIGITAL VEGETATION INDEX, which can be used to determine areas of crop that require additional water, fertilizer or are not developing as required in certain field areas.

These images can be obtained within a matter of minutes rather than hours using the traditional survey techniques.

The example below shows a field survey consisting of 62 pictures stitched together and



Please contact us for further information and operational enquiries:

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