





Bluesky is now expanding its coverage to include the Republic of Ireland from 2015.

Bluesky has unrivalled expertise in the creation of seamless aerial photography and already maintains national off-the-shelf coverage of aerial photography, digital terrain models and digital surface models of England and Wales through an on-going 3-year update programme. The addition of the Republic of Ireland will add 70,000 sqkms to Bluesky's database.

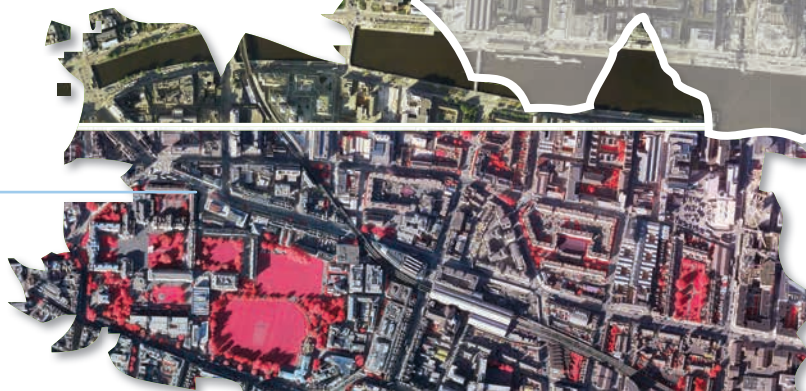
- Acquisition to commence in April 2015
- Four core products; RGB, CIR, DSM & DTM
- National coverage (70,000 sqkm)
- 25cm coverage, with higher resolution 12.5cm data for the main urban areas (Dublin, Cork, Limerick, Galway, Waterford, Drogheda, Dundalk & Wexford)
- Spring/Summer 'leaf on' survey
- Scheduled to be available from late summer 2015 onwards
- Update cycle every 3 years
- Flexible licensing
- GIS ready data available in multiple formats

available from summer 2015

Aerial Photography
(RGB)



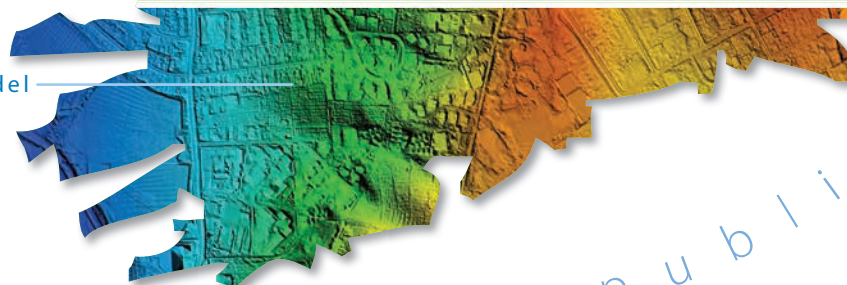
Colour Infrared
(CIR)



Digital Surface Model
(DSM)



Digital Terrain Model
(DTM)



R e p u b l i c o f I r e l a n d



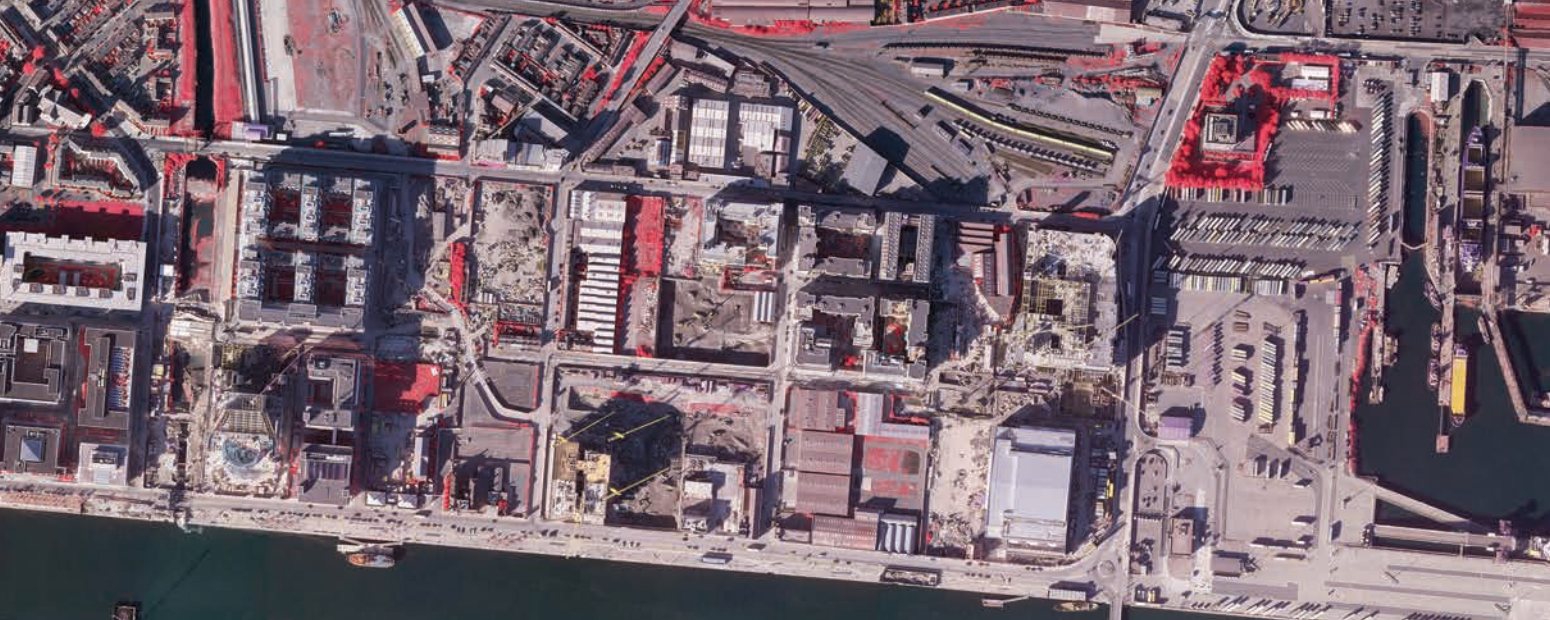
a picture paints a thousand words

Aerial Photography (RGB)

Maps have evolved; they are no longer lines and words, the white space is now full of detail. Aerial photography is playing an increasingly important role in the management of the natural environment and built infrastructure, and is now a part of everyday life with online mapping portals and use in the media.

Bluesky is a specialist in the acquisition of aerial surveys and the processing and creation of high-quality imagery products. By investing in the latest technology Bluesky ensures the quality, accuracy and consistency of its imagery is of the highest standard. Bluesky maintains national aerial photography datasets which are updated every 3 years and available off-the-shelf. Bespoke surveys are flown to order and to customer specifications.

Specification		
	National	Urban Areas
Resolution	25cm	12.5cm
Accuracy XY	± 1m rmse	± 50cm rmse
Optimum Viewing Scale	1:1,250	1:750
Formats	JPG, TIFF, ECW, SID, KMZ	



the benefits of nature

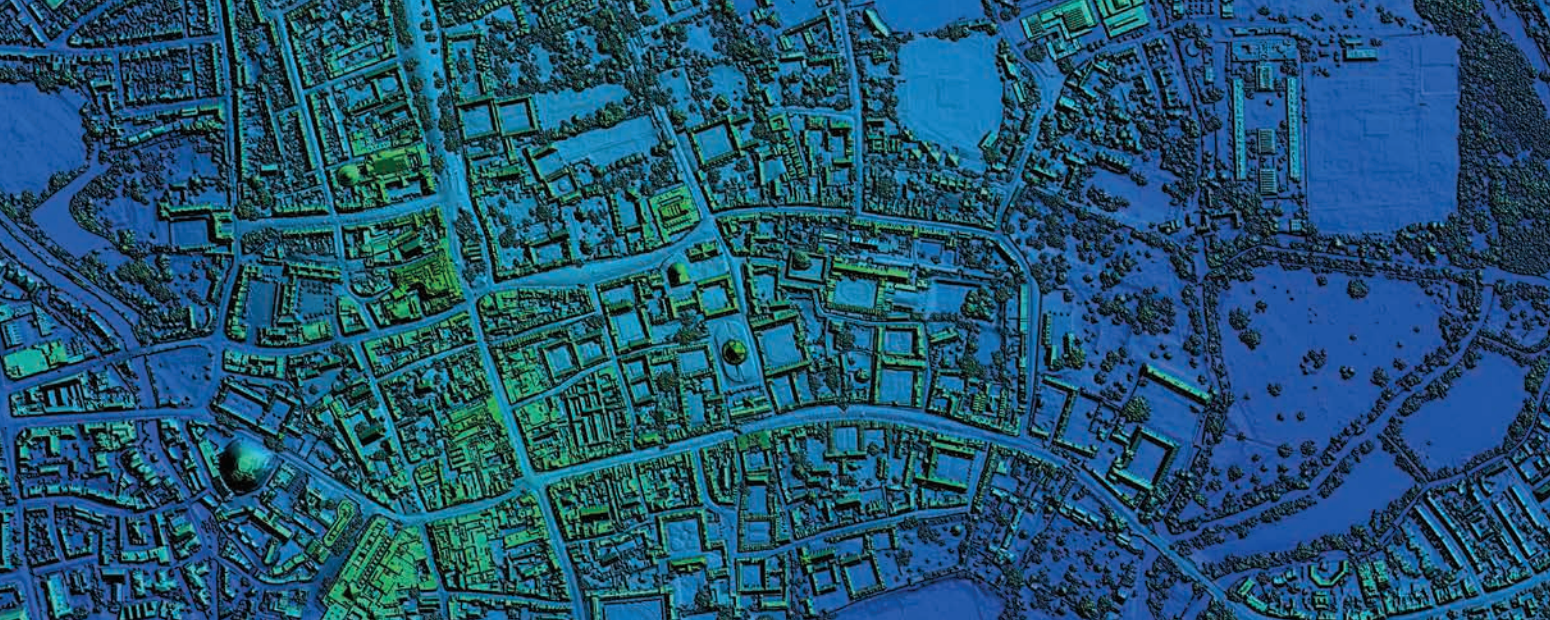
Colour Infrared (CIR)

As concerns for the environment grow, colour infrared photography (CIR) offers us a wealth of information on the health and state of the vegetation across our landscapes.

Used in conjunction with other geo-spatial data it can assist in making informed decisions.

During the capture of the aerial photography, a colour infrared image, in the near infrared spectrum band, is acquired simultaneously. This is then processed in a similar manner to the aerial photography. The data is stored in an uncompressed format to ensure the integrity of the colour information.

Specification		
	National	Urban Areas
Resolution	25cm	12.5cm
Accuracy XY	± 1m rmse	± 50cm rmse
Optimum Viewing Scale	1:1,250	1:750
Formats	JPG, TIFF, ECW, SID, KMZ	



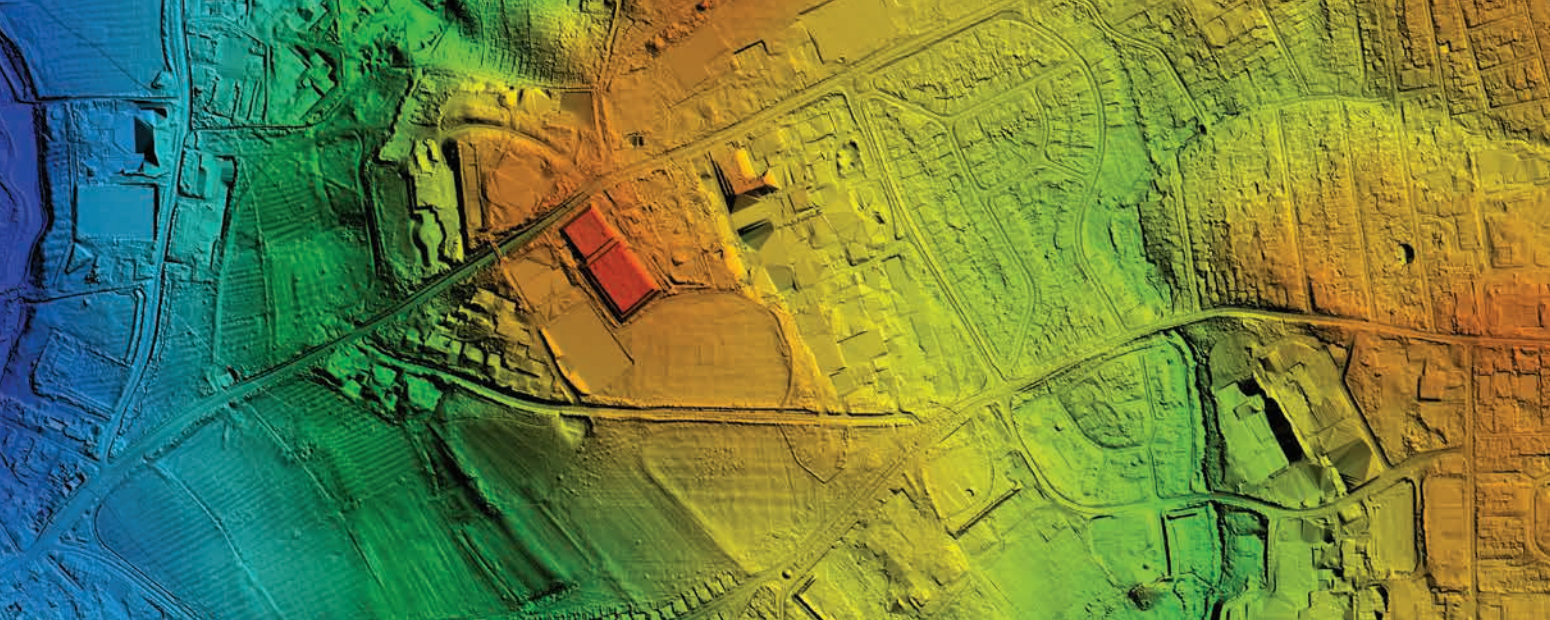
building for the future

Digital Surface Model (DSM)

Detailed measurements of the height of the Earth's surface features such as vegetation and buildings.

This product is created photogrammetrically from the stereo aerial photography. The DSM is perfect for visualisations, planning investigations and line of sight analysis.

Specification		
	National	Urban Areas
Resolution	2m	1m
Accuracy XY	± Up to 1m rmse	± Up to 1m rmse
Accuracy Z	± Up to 1.5m rmse	± Up to 1m rmse
Formats	ASCII XYZ, ARC Grid, GeoTiff, 3DS/Max, Erdas Imagine	



achieving new heights


Digital Terrain Model (DTM)

Detailed measurements of the height of the ground excluding buildings and vegetation.

This product is created photogrammetrically from the stereo aerial photography. Applications include line-of-sight, flood modelling and civil engineering.

Specification		
	National	Urban Areas
Resolution	5m	2.5m
Accuracy XY	± Up to 1m rmse	± Up to 1m rmse
Accuracy Z	± Up to 1.5m rmse	± Up to 1m rmse
Formats	ASCII XYZ, ARC Grid, GeoTiff, 3DS/Max, Erdas Imagine	

 www.bluesky-world.com/ireland

 +44 (0) 1530 518518

 info@bluesky-world.com

 Bluesky International Ltd
The Old Toy Factory
Jackson Street
Coalville
Leicestershire
LE67 3NR
UK

