

Earth-i





Commercial Earth Observation service provider

Satellite operator – optical and video

Established 2015

Based in Guildford, UK

40 staff

Small satellites supplied by Guildford-based SSTL

Land Administration & Management



Affordable access to basic geospatial datasets

Avoid duplication particularly in mapping

Data sharing

Interoperability

Timeliness & quality

EO FOR NATIONAL MAPPING & CADASTRAL AGENCIES



Effective for land boundary identification

Timely monitoring of land use

Improving land classification

VHR data becoming industry standard for optimal National Spatial Data Infrastructure

FIT-FOR-PURPOSE NATIONAL MAPPING

Earth-i eGuide available for download at www.earthi.space/national-mapping







Very high (<1.0m)

Resolution	Application	What can be seen at this resolution?
Low (10m)	Agriculture, forestry, land management	Settlement blocks, significant or isolated buildings Crop areas, forests Major hydrology

Affordable VHR

Detailed rural mapping.

urban, semi-urban

mapping, object

identification

(<1.0m)

Single trees in sparse tree cover density

· Minor road networks

Roof outlines of urban housing

Crowd assemblages

Detailed flood mapping

· Identify number of trucks in a mine or shipping port

Natural disaster damage assessments

 Identify cars, planes, trucks, small bodies of water, solar panels

Low (10m)

High (3m)

LARGE AREA MAPPING AT HIGH RESOLUTION



Annual coverage of Queensland, Australia (2016-2018)



2,000,000 km² 80cm resolution delivered in single scenes and mosaic Avoid duplication one supplier can provide full coverage

Data sharing flexible licensing

Interoperability
base layer for national spatial
data infrastructure

Timeliness
seasonal & annual coverage of
wide areas is possible

regular revisit allows cloud-free of wide areas

2017 Quality

Innovation

CLOUD REMOVAL USING SATELLITE VIDEO

earth

Each frame has cloud obscuration



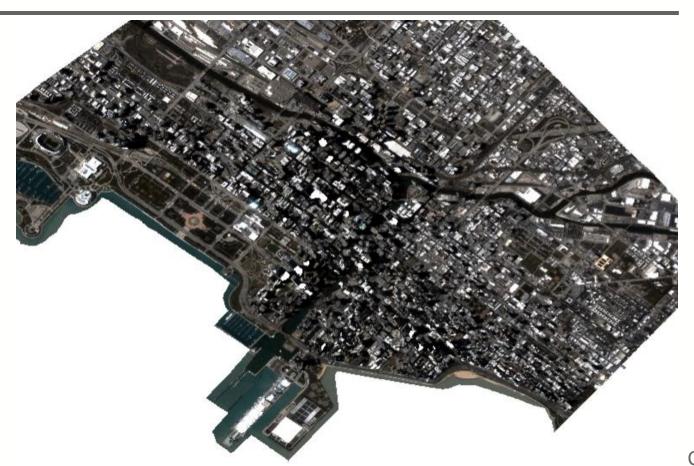
Composite image



New Delhi Airport, 2018

3D MODELLING USING SATELLITE VIDEO





Strategic Partnerships



Share requirements & promote accessibility ("holding data means holding power")

Encourage lean projects & agile development

Validate new products quickly

Encourage diversity & inclusivity



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