Developing high resolution content for all nations

Neil Ackroyd - Acting CEO
Ordnance Survey GB
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What we do

As the National Mapping Agency for Great Britain, we curate one of the UK’s key national data assets, making over 20,000 changes a day to a database of over 500 million geographic features of England, Scotland and Wales.

We add new features to our database every day.
The future

Population growth, climate change, urbanisation and disruptive technology are impacting every nation. Geospatial data is helping to solve the complex problems of a changing world.

But it needs to be more affordable and more accessible to all of society.
Where HAPS fit in the ecosystem
HAPS: At the intersection of three exploding markets.

Commercial satellite EO
(moving from £2.7bn in 2017 to £4bn in 2023)

Aerial imagery
(moving from £1.6bn in 2017 to £2.1bn in 2023)

Geospatial imagery analytics
(moving from £2.6bn in 2017 to £10.1bn in 2022)

Source: Markets and Markets. “Geospatial imagery analytics market – Global forecast to 2022”
Deep Learning & AI

This volume of data can only be processed on the edge and using machine learning.
National large scale map updated daily, 300,000 data transactions a day.
20 level deep learning algorithm in software, with 1 trillion points labelled by the learning agent.
Thank you

Neil Ackroyd
Acting CEO