ViSiVi™ Pipeline AIS

Aerial Infringement Surveys

Sara Heath

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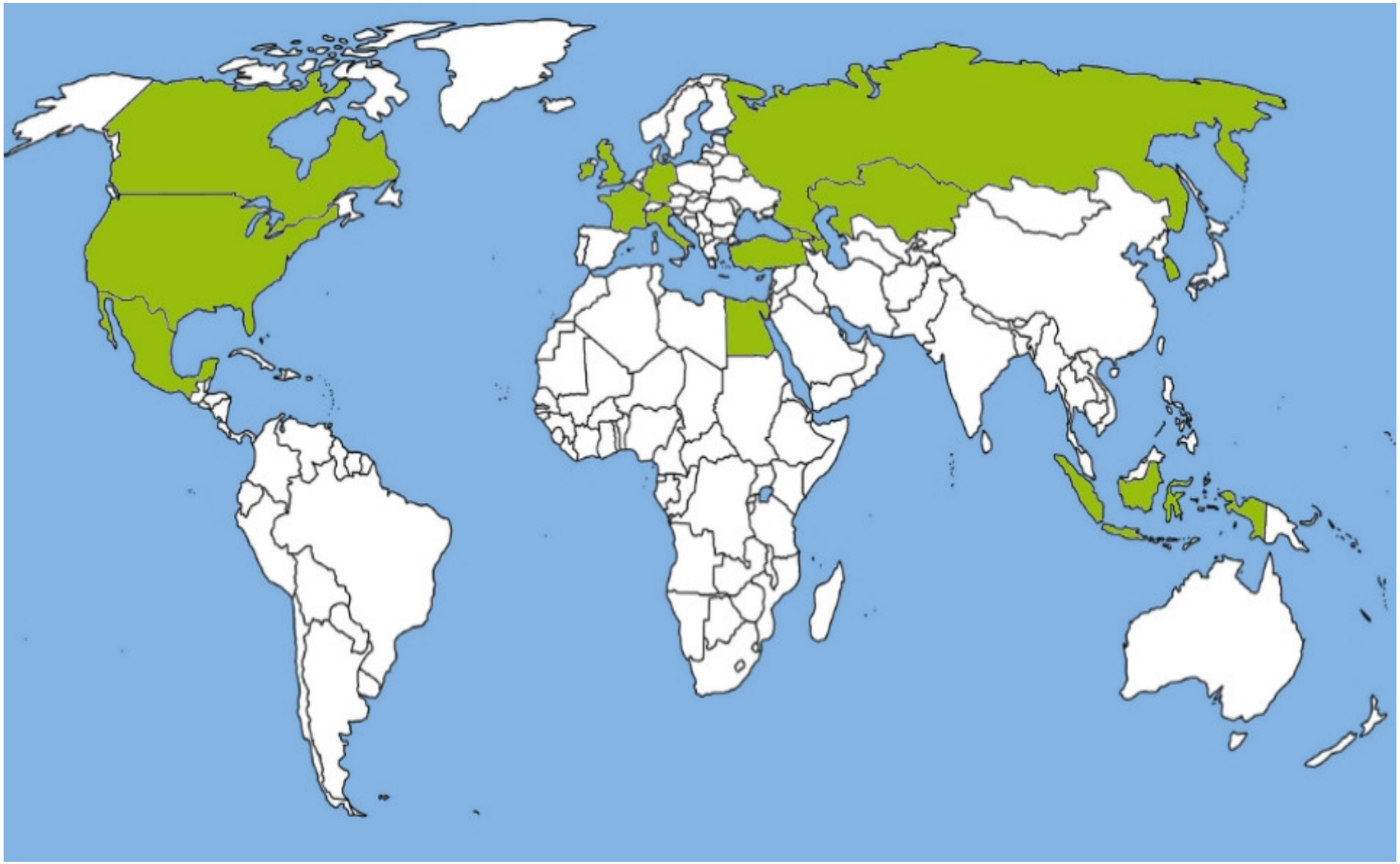
RSK Orbital Introduction

RSK Orbital Intro.mp4

Where We Have Worked So Far…

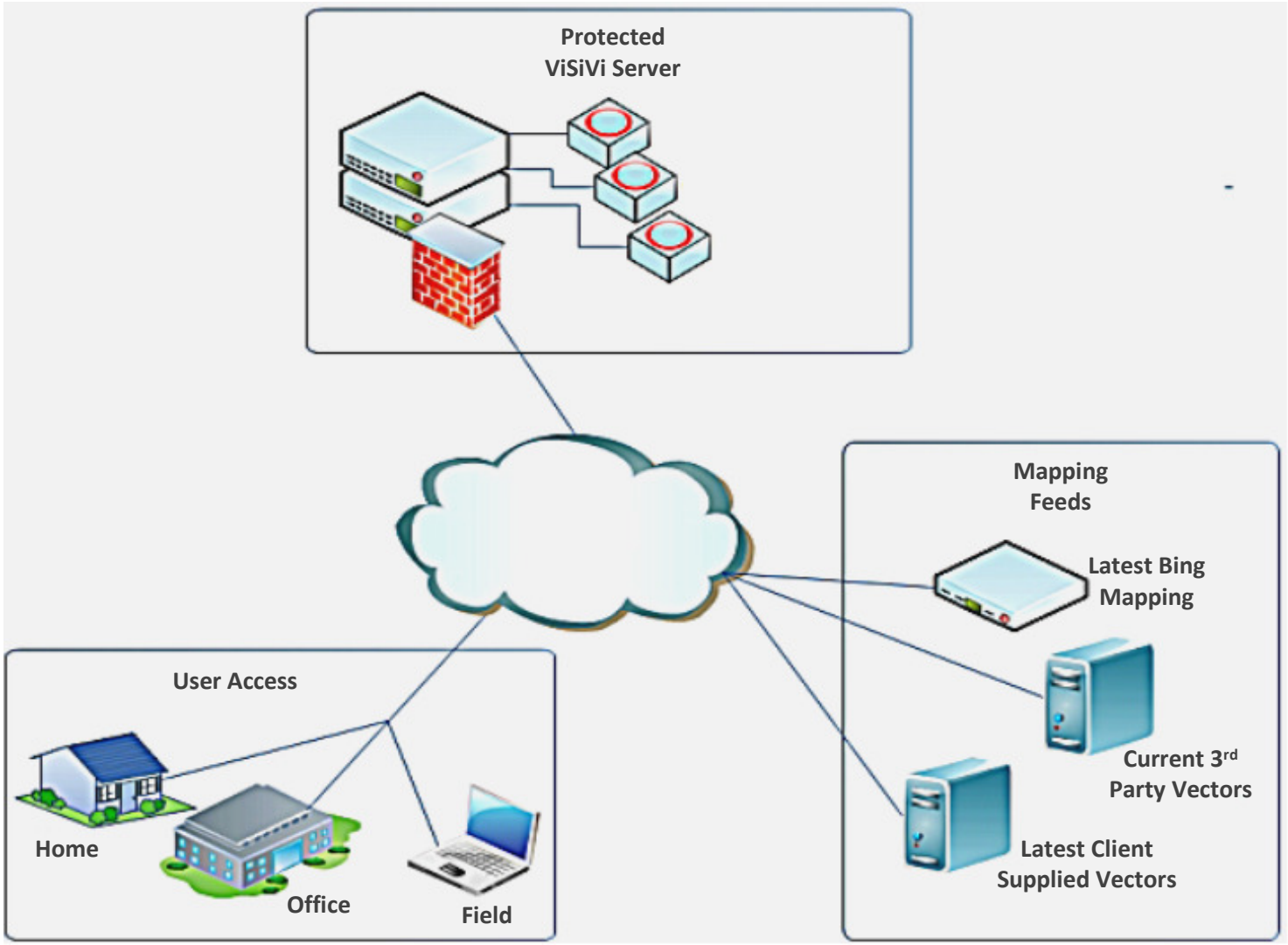
AIS



Main Clients

RSK Orbital's Award-Winning Tool

ViSiVi


Protected
ViSiVi Server
Mapping
Feeds
Latest Bing
Mapping
Current 3rd
Party Vectors
Latest Client
Supplied Vectors
User Access
Home
Office
Field

ViSiVi

Online Data Management & Collaboration Tool

'Virtual-Site-Visits'

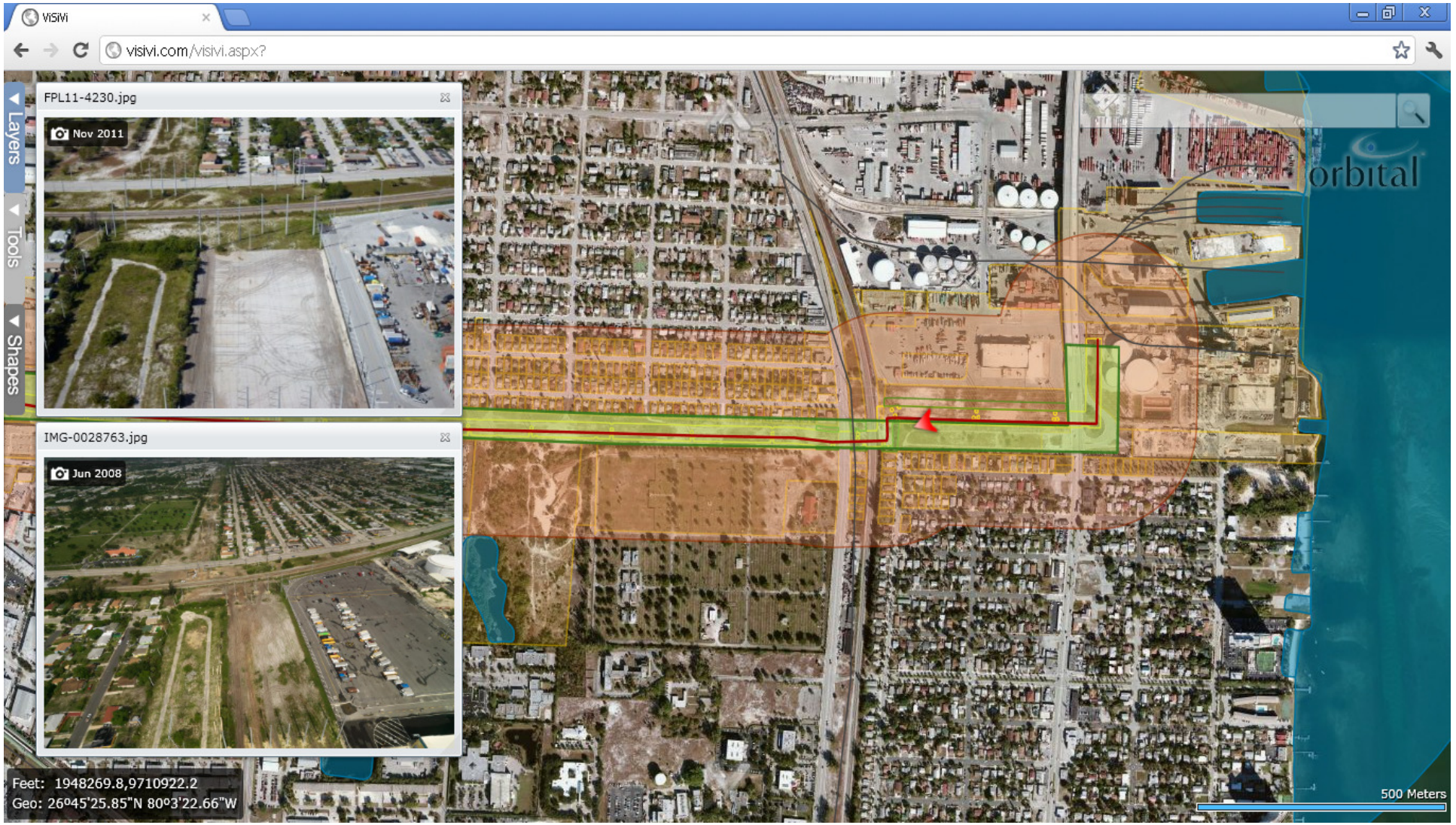
PhaseOne 150mm Lens 500’ AGL

PhaseOne 150mm Lens 500’ AGL (Zoom)

PhaseOne 300mm Lens 500’ AGL

PhaseOne 300mm Lens 500’ AGL (Zoom)

Baseline Survey



Aerial Infringement Surveys (AIS)

AIS Introduction

Aerial Infringement Survey

Aim: Identify & report on all threats to the integrity of the network

- SkyVision Experience
- ViSiVi Experience
- Aerial Photography
- Fixed Wing or Helicopter

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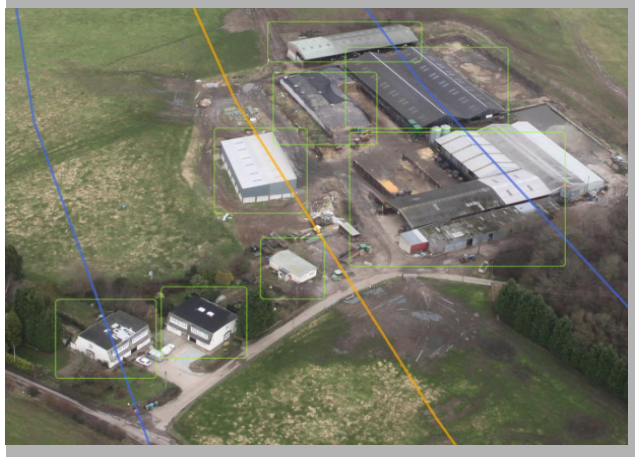
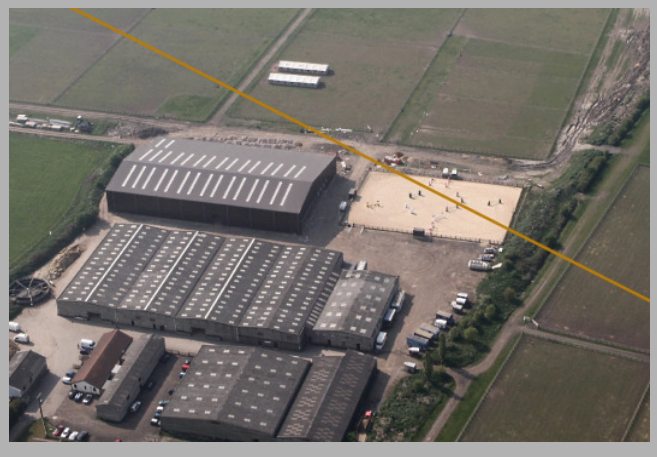
AIS

- Georeferenced
- Integrate Vector Data:
  - Building Proximity Distance (BPD)
  - Land Use Planning (LUP)
  - Inner Zone Infringements
- Thorough ground-based analysis





Categorise

TD1 Categories:

- Existing Infringements
- Existing With Changes
- New Infringements
- Category 1
- Category 2
- Category 3

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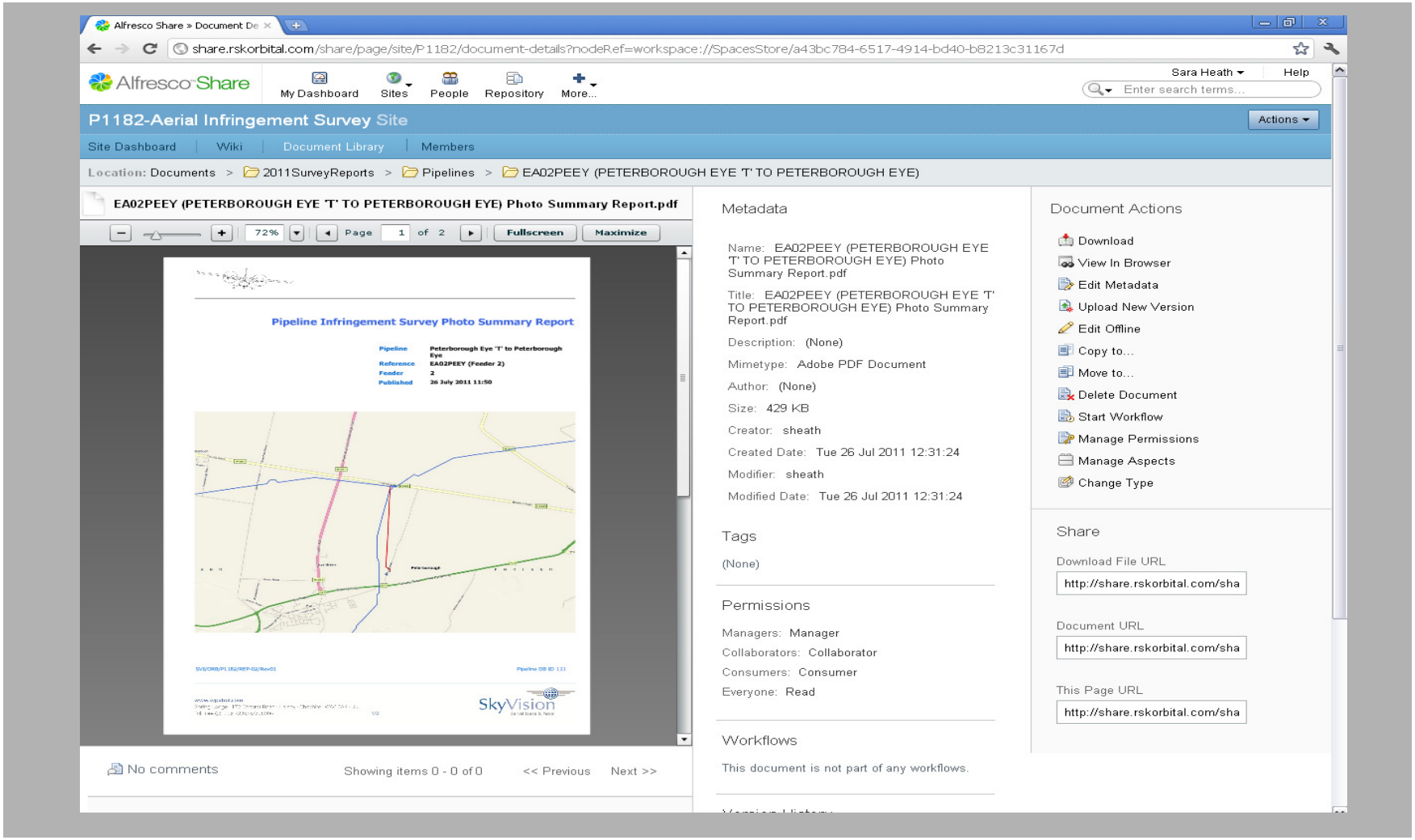
Alfresco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EA02PEEY (PETERBOROUGH EYE 'T' TO PETERBOROUGH EYE) Photo Summary Report.pdf
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Maximize
Pipeline Infringement Survey Photo Summary Report
Pipeline Peterborough Eye 'T' to Peterborough Eye
Reference EA02PEEY (Feeder 2)
Feeder 2
Published 26 July 2011 11:50
SkyVision
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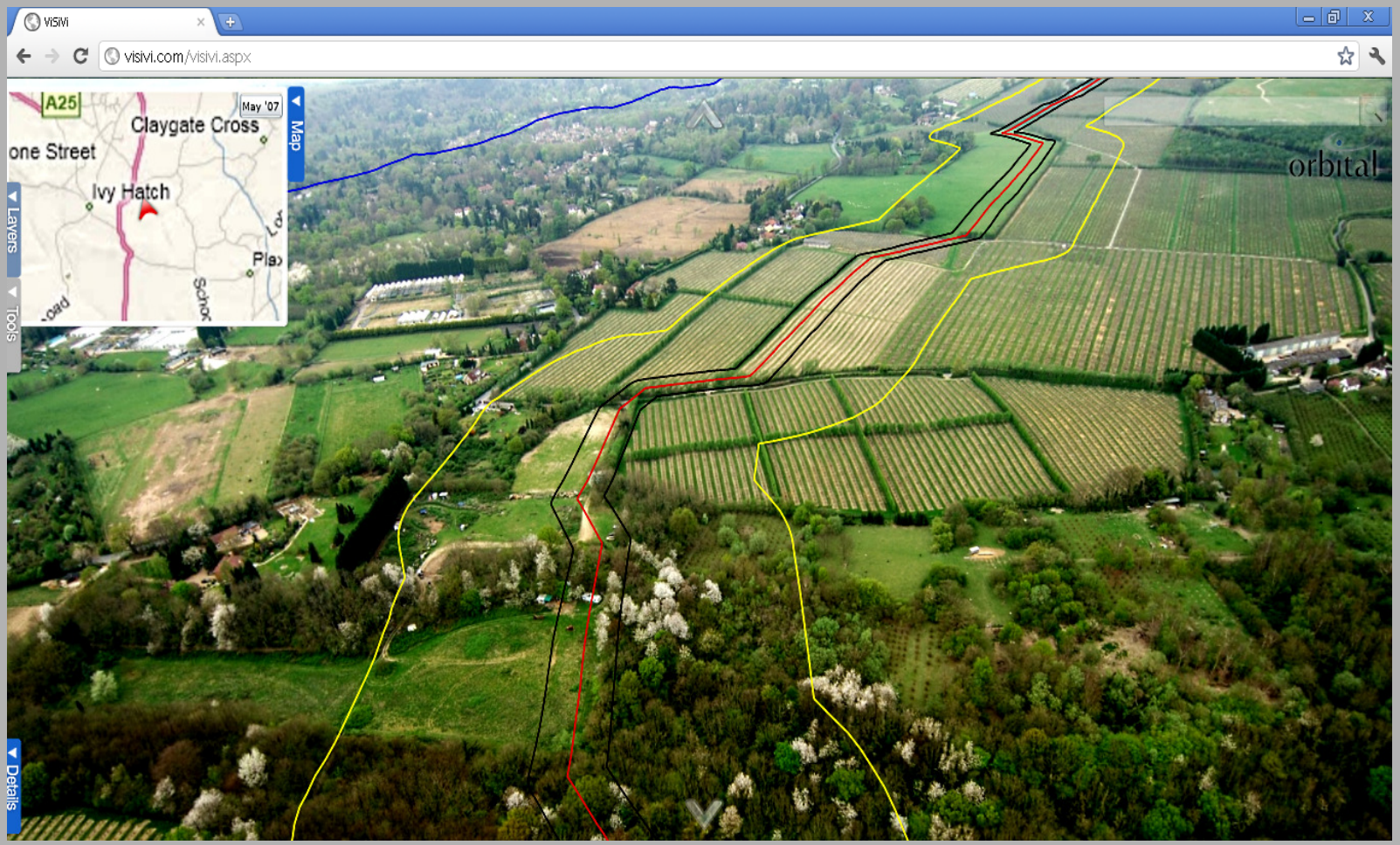
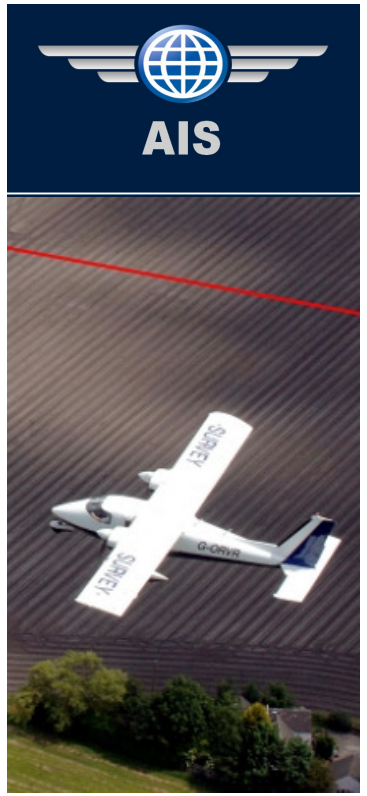
Reports

Year-on-Year Comparisons



Applications

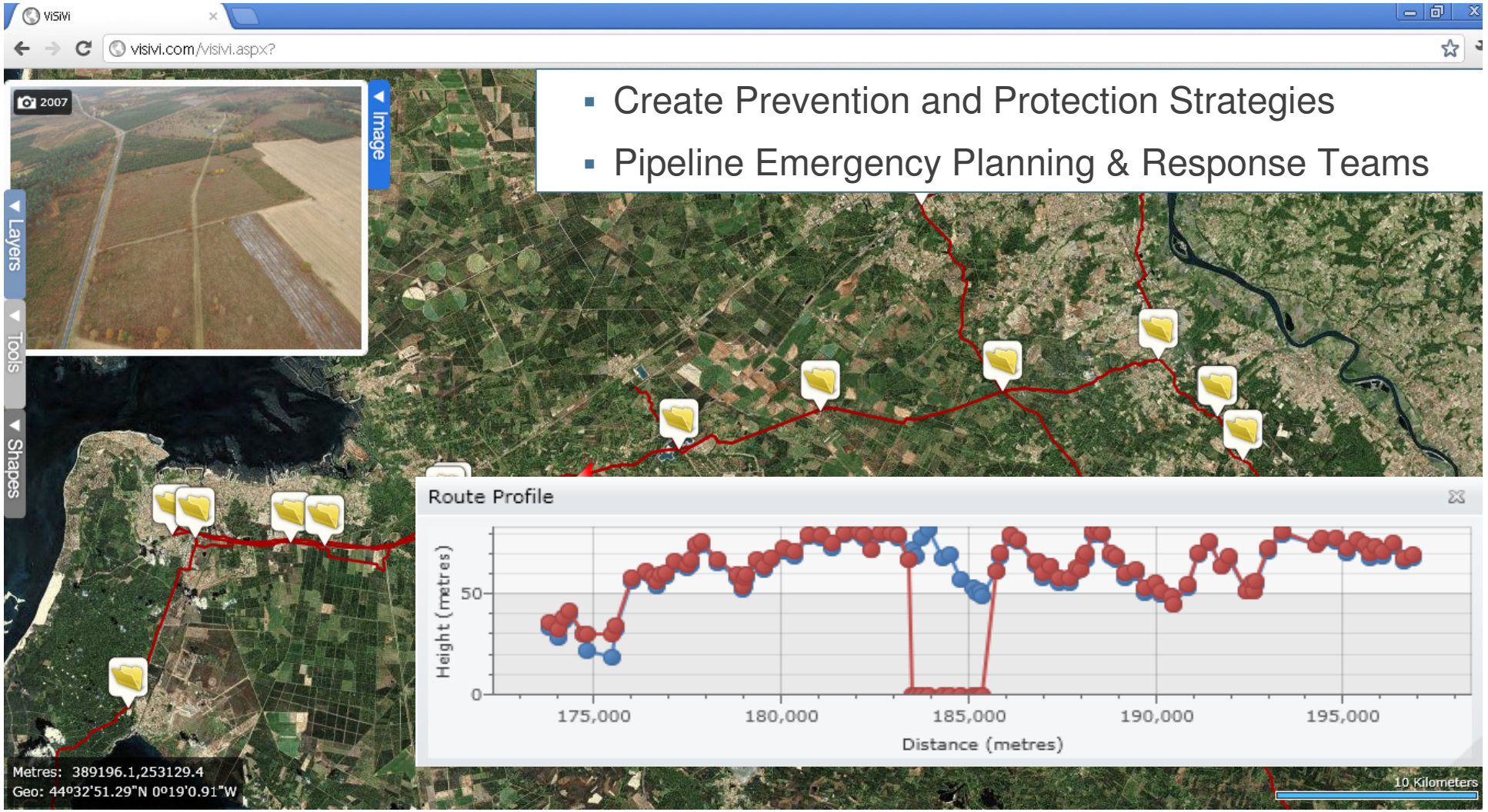


ViSiVi Pipeline Management

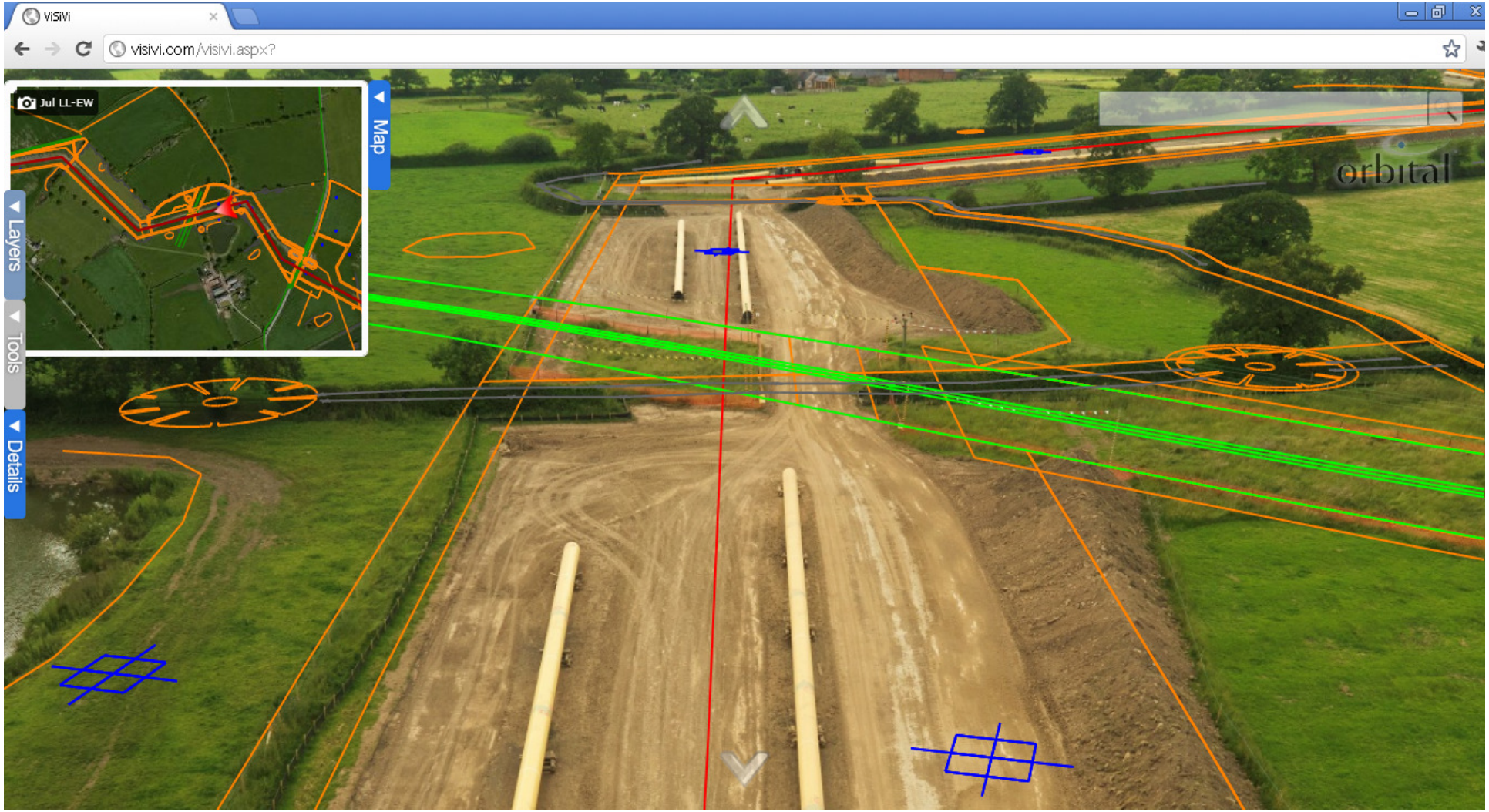
AIS

Population Density Survey

Map PIG Data


ViSiVi
visivi.com/visivi.aspx?
2007
Image
Layers
Tools
Shapes
Create Prevention and Protection Strategies
Pipeline Emergency Planning & Response Teams
Route Profile
Height (metres)
50
0
175,000
180,000
185,000
190,000
195,000
Distance (metres)
Metres: 389196.1,253129.4
Geo: 44°32'51.29"N 0°19'0.91"W
10 Kilometers

Pipeline Management Tool

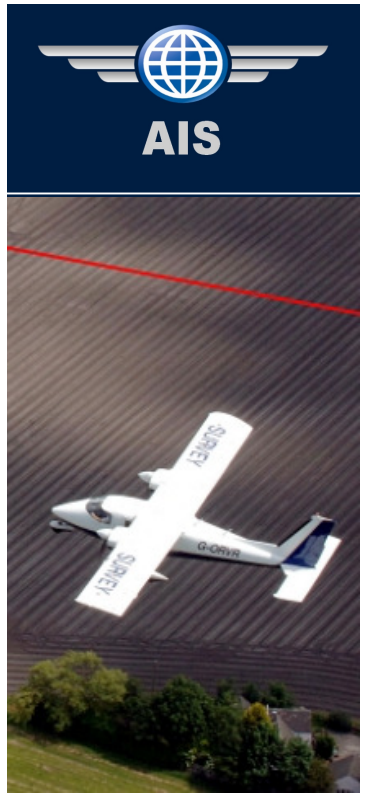


Other Applications

- Land Owner Record
- Training Personnel
- Public Awareness Programmes
- Communication Tool
- Reduced Site Visits
- Emergency Response
- Aerial Patrol Report Reference

Optimise Resource Management & Cost Efficiency

Benefits

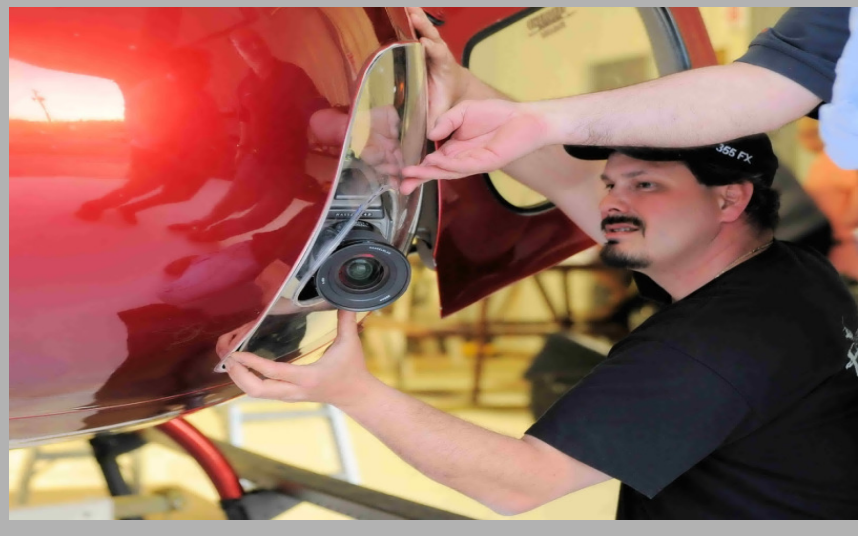


AIS Report Benefits

- Ensures all third-party activities are identified
- Prioritise activities to minimise consequences

Confidence:

- That the network is safe
- Procedures put in place are relevant and working



Warm Fuzzy Feeling

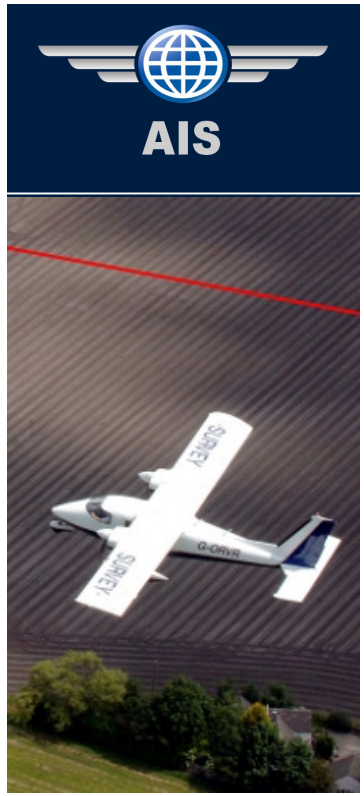
Costs

ViSiVi AIS Costs vary

Project sizes range between:

- *10 km to 20,000 km*
- *£15,000 to £1 million*

Q & A



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