

Why Sagentia Aviation?

- Extensive experience in delivering fully harmonised and integrated support to defence programmes across air, land, and maritime domains
- Fully integrated multi-disciplinary services
- Assuring critical capability to time, cost and quality
- Our consultants are experts in their fields
- In-depth knowledge of current and emerging technologies
- More than 100 years of accumulated experience in the Aviation and Defence sectors

Part of Sagentia

Sagentia Aviation, formally Osprey CSL, is part of Sagentia, a science and technology business providing consultancy and systems to an international client base. This allows us to draw on the capabilities of our sister companies to enhance our service offering. We collaborate closely with Sagentia Defence to offer specialist technical and management support and advisory to government departments and defence organisations in the Air domain.

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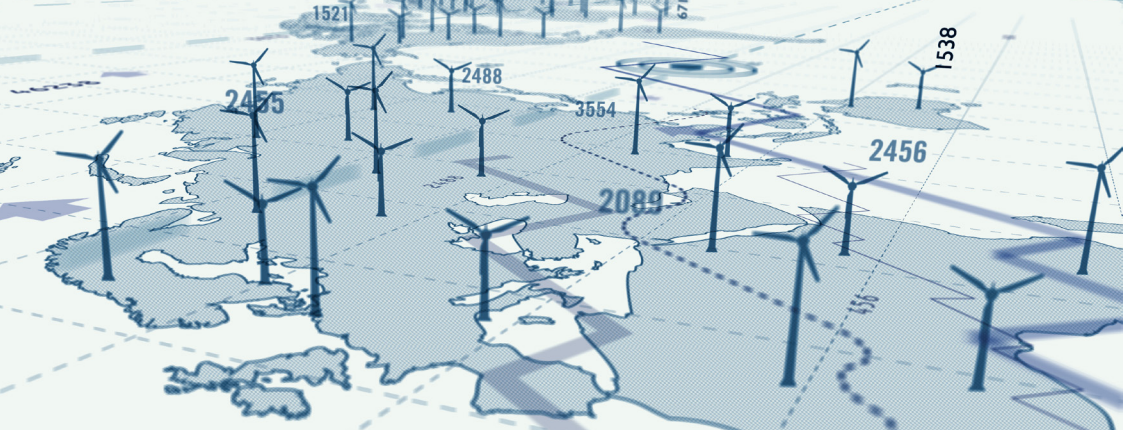
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Exploiting geospatial information services in aviation

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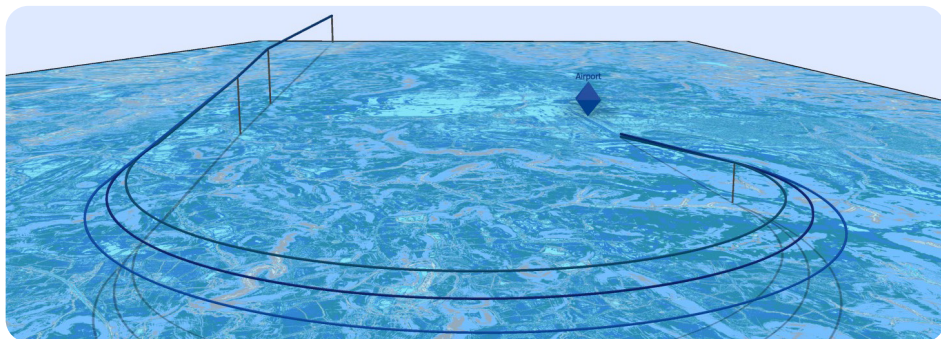
Exploiting Geographic Information Services (GIS) along with aviation analysis and aviation safeguarding activities for the optimal results.

By integrating GIS visualisation products across multiple safeguarding domains, we enable our clients to make informed, accurate, and timely decisions and to improve their understanding of their operating environment, grounded in spatial intelligence.

Our experience

Our teams are comprised of subject matter experts with decades of accumulated experience in the delivery of aeronautical analysis and aviation safeguarding in both civil and defence domains.

We fuse that industry leading expertise with class leading GIS, working in close partnership with our client-base to deliver mapping, visualisation and specific tailored GIS outcomes and solutions that provide clarity to complex problems.



Our expertise

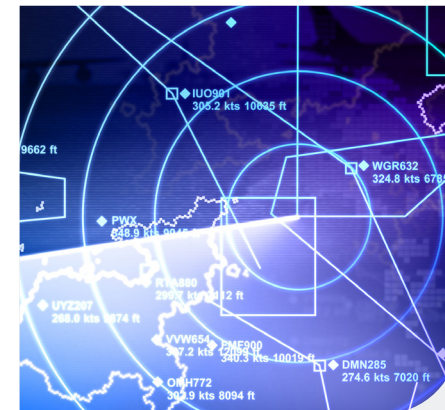
Sagentia Aviation has experience of delivering aviation-based GIS capability to support and enhance our client's broad programme of delivery:

Analysis and planning

- Airspace change
- Aviation route and market analysis
- Aerodrome infrastructure and master planning
- Aviation safety
- Infrastructure analysis
- Wind turbine / wind farm aviation impacts
- Solar photovoltaic array optimization

Airports and safeguarding assessments

- Obstacle limitation surfaces assessments
- Instrument flight procedure designs (CAA approved procedure design organisation)
- Optical line of sight
- RF line of site
- CNS intervisibility coverage
- VHF Carrier to Interference (C/I)
- Building Restricted Areas (BRA)
- CNS physical safeguarding
- ICAO signal in space
- Glint and glare assessments



Our markets

Our consultancy services provide, technical and analytical geospatial support to programmes across the following sectors:

- Aviation
- Defence
- Energy
- Renewables
- Infrastructure

