Defence and National Security

The Air Domain in the UK defence context comprises the RAF and its supporting organisations. Its challenge is one of doing ‘more with less’ - to remain agile, adaptable and capable, focusing its limited manpower and assets to deliver a broad range of effects across environments and circumstances.

The RAF relies on a wide range of information and intelligence to support its decision making at all levels. The vast majority of this, from the latest reconnaissance imagery to weather data, has one thing in common – location. Not surprisingly, GIS is playing an increasingly key role in combining, visualising, analysing and sharing understanding, not only within the air community, but also with the other services and collation partners.

Aeronautical Information and Chart Production
As with the Civil counterparts, the Military aviation community must be able to generate accurate and reliable aeronautical information for safer navigation. But they must also respond with agility to urgent operational requirements in unfamiliar areas.

Esri technology can help these agencies maintain, control, and disseminate navigational products that meet their rigorous requirements.

Esri solutions for Aeronautical Organisations
With Esri technology, you can:

• Create, visualise, analyse, and share information with others who depend on highly accurate, authoritative data
• Automatically update charts through your organisation’s AIS to reduce data latency, redundancy, and errors.
• Produce a wide range of charting products, including International Civil Aviation Organization (ICAO) compliant charts, from a central database.
• Where applicable, share data with Civil Authorities using the Aeronautical Information Exchange Model (AIXM).
• Readily share your information through mobile and web applications
• Efficiently generate aeronautical charts for route planning, in-flight navigation, takeoff and landing.