



Principal Engineering Ltd

**Air Traffic Management Consultancy Capability
Safeguarding Analysis, Systems Engineering &
Radar Capability Consultancy**



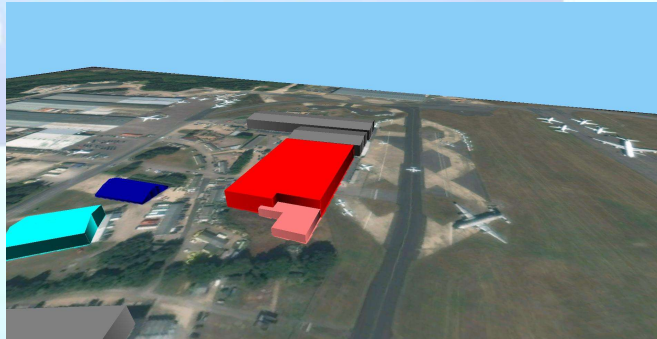
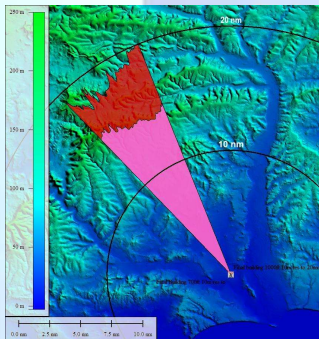
Principal Engineering Ltd provides independent Air Traffic Management (ATM) consultancy services supporting the safe, compliant, and effective operation of surveillance and ATM systems. We advise ANSPs, airport operators, planners, and system integrators on technical, operational, and regulatory aspects of ATM infrastructure.

Our consultancy services are founded on deep practical experience of radar and ATM systems, combined with rigorous systems engineering principles. This enables clients to make informed, defensible decisions across planning, change, and assurance activities.



Our Air Traffic Management consultancy capability includes:

- Safeguarding analysis to assess and protect radar and navigation system performance
- Technical assessment of developments impacting ATM and surveillance systems
- Systems engineering support across the full ATM system life-cycle
- Requirements definition, architecture support, and interface analysis
- Radar capability consultation, performance assessment, and coverage analysis
- Independent technical advice to support regulatory engagement and assurance



All consultancy activities are delivered with independence and technical rigour, supported by clear analysis, traceable evidence, and professional reporting suitable for stakeholders, regulators, and planning authorities.

Principal Engineering Ltd enables clients to manage risk, protect safety margins, and maintain confidence in ATM system capability throughout change and development.

Principal Engineering Ltd
Independent Air Traffic Management & Radar Consultancy