



Principal Engineering Ltd

**Ground-Based Radar Services Capability
Installation, Maintenance, Modification,
Analysis and Through-Life Support**



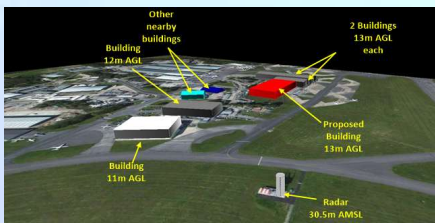
Principal Engineering Ltd provides comprehensive ground-based radar services supporting the full operational life of surveillance radar systems deployed in safety-critical and regulated environments. Our services span initial installation through to in-service support, system modification, and end-of-life activities.



We support operators, ANSPs, and system integrators with technically rigorous, independent engineering services that ensure radar systems remain safe, compliant, and operationally effective throughout their service life.

Our ground-based radar services capability includes:

- Radar system installation, commissioning, and acceptance support
- Planned and corrective maintenance activities
- System modification, upgrade, and configuration change support
- Radar performance analysis and technical investigations
- Safeguarding analysis to protect radar performance and coverage
- Fault diagnosis, repair, and restoration of service
- Through-life engineering support and obsolescence management
- Technical training and knowledge transfer for maintainers



All activities are delivered using controlled engineering processes, aligned with applicable aviation and surveillance standards, and supported by appropriate documentation, testing, and assurance.

Principal Engineering Ltd combines deep radar engineering experience with an understanding of operational and regulatory constraints, enabling clients to manage risk, maintain service continuity, and make informed technical decisions.

Principal Engineering Ltd – Specialist Radar & ATM Systems Engineering

Contact: info@principal-eng.co.uk