



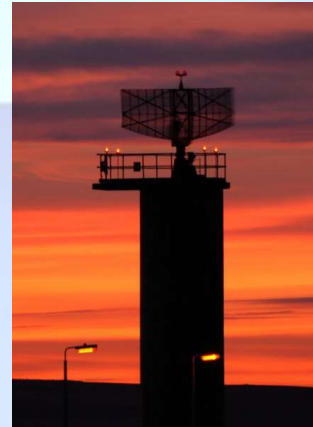
Principal Engineering Ltd

**Airfield Works Capability
Electronic Systems Installation and Maintenance**



Principal Engineering Ltd provides specialist airfield engineering services supporting the installation, testing, and maintenance of safety-critical electronic systems within operational aviation environments. Our experience includes antenna systems and ground-based radar equipment deployed at airports and remote airfield sites.

We operate with a strong understanding of airfield operations, access controls, and regulatory constraints, ensuring all activities are planned and executed safely, efficiently, and in alignment with applicable aviation requirements.



Our airfield works capability includes:

- Antenna installation, alignment, inspection and performance testing
- Installation and maintenance of ground-based radar systems
- Electronic system commissioning, integration, and fault diagnosis
- Planned, corrective, and condition-based maintenance activities
- Support to system upgrades, modifications, and equipment replacement

Engineering activities are supported by appropriate testing, verification, and documentation to demonstrate system performance and readiness for service.

Principal Engineering Ltd also provides assurance and lifecycle support, including post-installation verification, return-to-service assistance, in-service support, and life-extension activities. This ensures airfield electronic systems remain safe, compliant, and fit-for-purpose throughout their operational life.



Principal Engineering Ltd – Specialist Radar & ATM Systems Engineering

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