



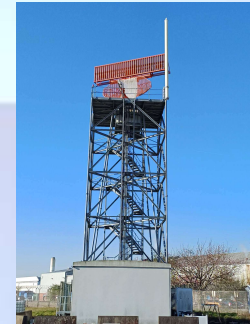
Principal Engineering Ltd

**Ground-Based Radar Equipment Capability
Radar Components Testing, Repair and Refurbishment**



Principal Engineering Ltd provides specialist engineering support for ground-based radar equipment, with particular expertise in the testing, repair, and refurbishment of radar components used within safety-critical and operational surveillance environments.

We support operators, maintainers, and system integrators by restoring equipment to a known, serviceable condition, extending asset life, and maintaining system performance where replacement may be impractical, cost-prohibitive, or subject to long lead times.



Our ground-based radar component capability includes:

- Functional and performance testing of radar components and assemblies
- Fault diagnosis and root-cause investigation
- Repair and replacement of failed or degraded sub-assemblies
- Mechanical, electrical, and environmental refurbishment activities
- Support to obsolescence management and life-extension programmes, and equipment replacement

All activities are undertaken using controlled engineering processes, supported by appropriate test equipment, inspection, and technical documentation to provide confidence in component condition and performance.

Principal Engineering Ltd also supports verification, re-test, and return-to-service activities, ensuring refurbished radar components are suitable for reintegration into operational systems and continue to meet performance and safety expectations.



Principal Engineering Ltd – Specialist Radar & ATM Systems Engineering