

# Land Infrastructure Systems EMPP and TEMPEST

**Modern communications and IT equipment used in Defence and Homeland Security applications have to provide a secure and reliable service in the face of hostile electromagnetic threats.**

The threat can be an attempt to proactively disrupt electronic systems (so called 'denial of service') or to compromise security by electromagnetically intercepting and obtaining confidential information (TEMPEST).

The methods used to safeguard against these determined attacks are based on specialist electromagnetic shielding and filtering techniques which, in combination, protect equipment and systems.

Rainford is an established designer and manufacturer of the specialist electronic equipment enclosures and electrical filters, supplied tested and certified to meet the demands of modern command and control, information and communications infrastructure systems.



**Command and Control**

**EMP protection**

**EW,  
Satcoms,  
Surveillance,  
Cryptography  
TEMPEST**



Standards:  
DEF STAN  
DEF STAN 08-107  
DEF STAN 59-41  
MIL STD 461E  
73/23/EEC

### Our expertise covers:

Electromagnetic shielding and compatibility,

EMP protection,

Electrical and electronic signal filtering,

Thermal management,

Protection of COTS equipment.

