



Digital Railway
Trackside Location Cases

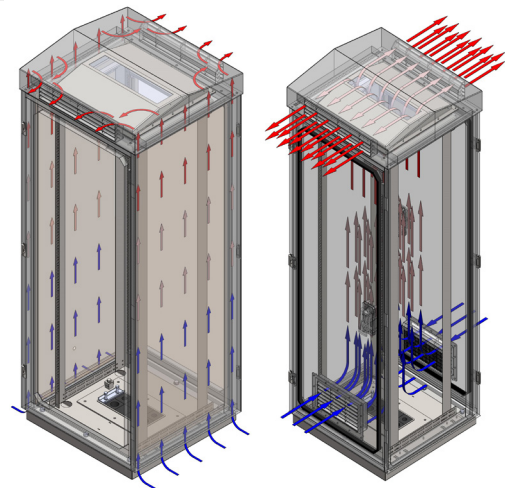
Designed and built for
availability and
reliability

Standard Features

- Suitable to locate within 3 mtrs of the track
- Double skinned
- Material: 1.4003 grade stainless steel
- Finish: polyester powder coated, standard colour
– Tele Grey (RAL 7045)
- IP54 per EN 60529
- Rodent resistant construction
- Equipment mounting: 19" or BRSM-SM 440
- 3-point door locking mechanism, Mico lock tested to LPS1175 Issue 8 Level 2
- Other locks also available such as N/R 221
- All panels, bodywork and spare parts are replaceable on site without affecting operation
- Flush fitted stainless steel hinges
- Vandal resistant anti-jemmy strips
- Gland plates in the base of each bay for cable entry, with selected glanding system e.g. Roxtec
- Base mounted earth stud
- Removable lifting brackets
- Compatible with Network Rail standard precast concrete bases

Thermal Management Options

1. Passive Convection Cooling: 500W per bay, ΔT 20°C
2. Thermostatically controlled door-mounted fans: 700W per bay ΔT 15°C, with long life hydrophobic filters
3. Air Conditioner (A/C) cooling for specific applications
4. Anti-condensation heater



Passive Cooling System

Trackside Applications

- ✓ Analogue & Digital Signalling
- ✓ Power Systems
- ✓ GMSR
- ✓ Communications & Radio Control for MNO's
- ✓ CCTV & Safety Systems
- ✓ ETCS
- ✓ Telecoms
- ✓ Real time driver information



FURTHER INFORMATION

Size Options

Height	Depth (mm)	1 Bay	2 Bay	End Pod (L/R)
24U	600	Y	Y	Y
37U	600	Y	Y	Y



OPTIONAL ACCESSORIES

- ✓ Various locks and handles
- ✓ AC/DC power distribution
- ✓ 19", ETSI, or DIN rail mountings
- ✓ Equipment mounting backboard
- ✓ Sensors to alarm for door opening, overheating, fan failure
- ✓ Battery shelves, cable trays
- ✓ Internal LED lighting

Planned Testing Protocols

- ✓ Vandal resistance - LPS 1175 Level 2
- ✓ Solar Gain – BS EN 60068
- ✓ Shock & Vibration BS EN 60068
- ✓ Degrees of Protection provided by enclosures IP54 per BS EN 60529

About Rainford Solutions Ltd

- Established 1982
- 114,000 sq. ft. UK manufacturing facility
- British engineering
- ISO 9001:2015 certified
- Agile design, lean manufacturing

Benefits

- + Security of working with a leading supplier
- + Capacity for national scale projects
- + High quality = reliability = low total cost of ownership
- + Flexible rapid design customisation

