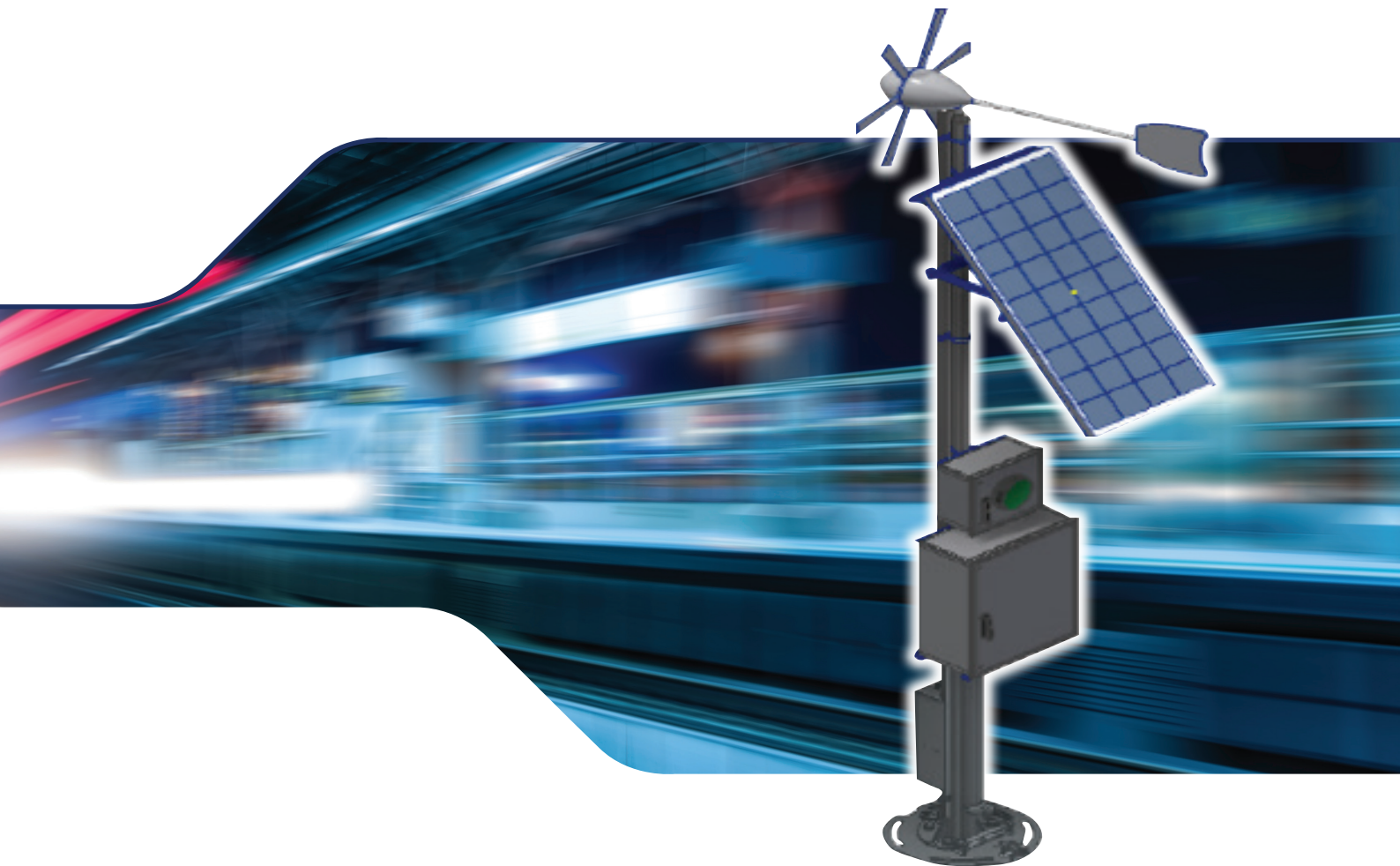


# Level Crossing Overlay

by Unipart Rail



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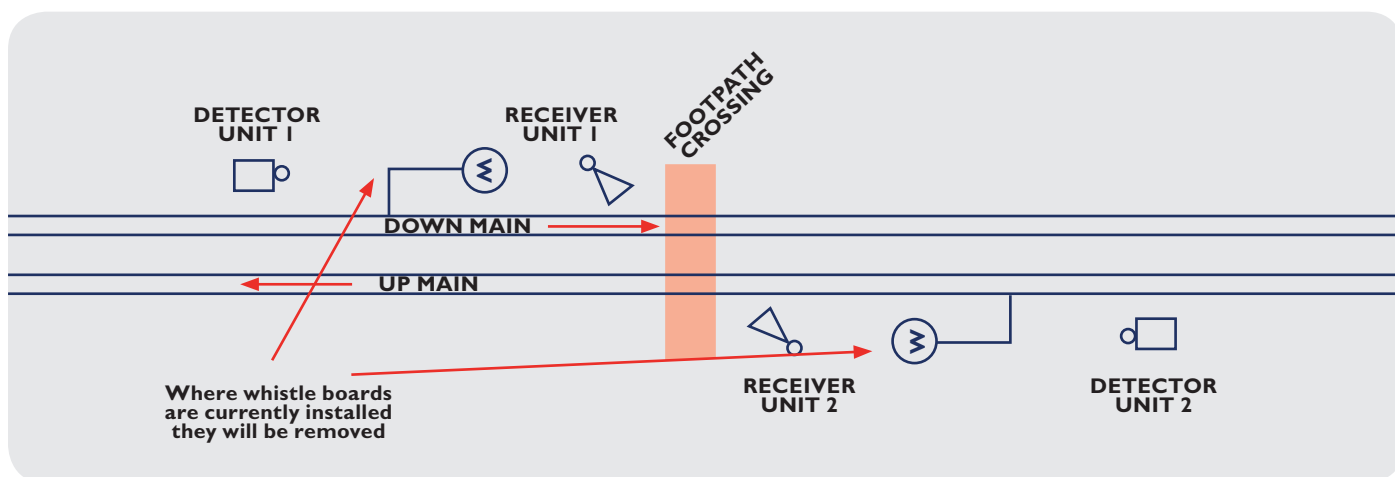
**This cost effective Level Crossing Overlay based on the Passive Level Crossing solution offered to Network Rail has been designed to improve safety at level crossings. The system detects oncoming trains and provides an audible and visible warning to alert users at a crossing.**

**Key features include:**

- Provides a warning to users for a minimum duration of 2s. The warning can be configured for visual, audible or both.
- Provides the user with a minimum of 12 seconds warning of trains approaching at speeds from 5mph to 125mph.
- Warns of trains approaching the level crossing in any direction.
- Provides the warning even if another train is moving away

from the level crossing at the same time.

- Suitable for level crossings with one or two tracks.
- The system designed in accordance with BS/EN 50128 [14] and 50129 [15] achieving a probability of dangerous failures per hour to SIL 2 or equivalent.
- Capable of being self-powered by harvesting 'Green Energy' from solar panels and wind chargers.
- Requires minimal site specific installation and testing.



**Designed in accordance with Network Rail Specifications**

Network Rail Spec	Description
NR/L2/SIG/11201 (ModX40)	Signal Design: Module X40 - Level Crossings: Miniature Stop Lights
NR/L2/SIG/30015	Specification for Station, Footpath, Bridleway and User-Worked Level Crossings
NR/L2/SIG/30017	Requirements for Level Crossings
NR/L2/SIG/11201 Mod X02	Signalling Design: Module X40 - Level Crossings: Common Design Requirements
NR/L2/SIG/30027	Product Specification - Plug Couplers for Connection to Lineside Signalling Equipment
NR/L2/RSE/0005	Product Design for Reliability

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