

Inductive Switchpoint Heating

Using inductive cable loops to generate heat inside the rail.



Reduces capital expenditure by up to 40%

Reduces energy usage by up to 40%

Prevents heat loss to the air

Increased life expectancy

Increase efficiency, extend life and reduce costs and carbon emissions when heating points.

An efficient, innovative and resilient inductive points heating system which uses an inductive cable loop to generate heat inside the rail, preventing heat loss to the air.

Our unique performance improving solution is designed to cut energy usage and carbon emissions, as well as reducing Mean time between failures (MTBF), with capital expenditure and operating expense efficiencies of up to 40%.

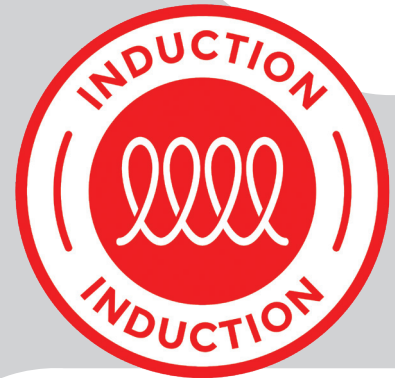
The system is simple to install and shown to reduce downtime and costly rework, as a result of its modular installation and careful attention to design detail and materials.

This solution complements our existing portfolio of signalling systems and rail switching products and services and has been developed in conjunction with our academic partners.



Features and Benefits

- Reduce energy usage by up to 40%
- Reduce capital expenditure by up to 40%
- Increased life expectancy
- Precise heating which reaches target temperature much faster than resistive technology
- Enhanced energy efficiency as heat loss is limited
- Flexible cable loops which are simple to cut and install on site
- Fast diagnosis of maintenance issues via Condition Based Monitoring



Network Rail Product approval expected in Q4 2024.

To learn more about our solution, get in touch at enquiries@unipartrail.com.

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