

## TRACK & AIR TEMPERATURE MONITORING

Our wireless temperature monitoring solution is designed to provide:

- Proactive insights
- 24/7 Real-time alerts & notifications
- Behavioral Notifications
- Ensuring prompt actions to mitigate risks
- Maintaining safety
- Powered by our Digital Service Platform

Temperature Parameters:

- Rail temperature monitoring
- Air temperature monitoring
- GPS location logging
- User-Friendly Application



*Rail-mounted sensor*



### Benefits and Value

- Co-created with infrastructure owners
- Instant and reliable notifications
- Reduce maintenance costs
- Improve operational efficiency
- Impose speed restrictions, if required, based on real-time temperature information
- Easy to install



*Overview of transmitted data*

## KEY FEATURE

All our solutions are modular, allowing you to mix and match features from TrackBed360 Series, TrackSwitch360 Series, and Climate Monitoring Solutions to fit your exact need.

We recommend:

- using temperature monitoring with TrackBed360 to track potential displacements, ensuring accurate data on infrastructure stability and minimizing risks related to track movement.
- using temperature monitoring with TrackSwitch360 to optimize switch heating, ensuring energy efficiency by activating heating only when necessary, thus reducing energy consumption and maintaining operational effectiveness

## TECHNICAL SPECIFICATION

- Battery powered
- Battery lifetime, 2 years - measurements every 30 minute
- Notification by SMS/E-mail
- Measures rail temperature to an accuracy of 0.5 °C
- Measuring temperature range -40 to +80 °C
- Operation temperature -40 to +80 °C
- Site temperature reports including inspection log is automatic generated



**Ready for more information on how our solutions can optimize your railway operations?**

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