

Rail Power

"Delivering improved reliability at reduced costs for rail-asset managers."



Professor Steve Dunn

Secured over £1.8m Innovate funding, led to patentable technology, scaled batch to continuous, licensed technology to third parties



Gy Harness

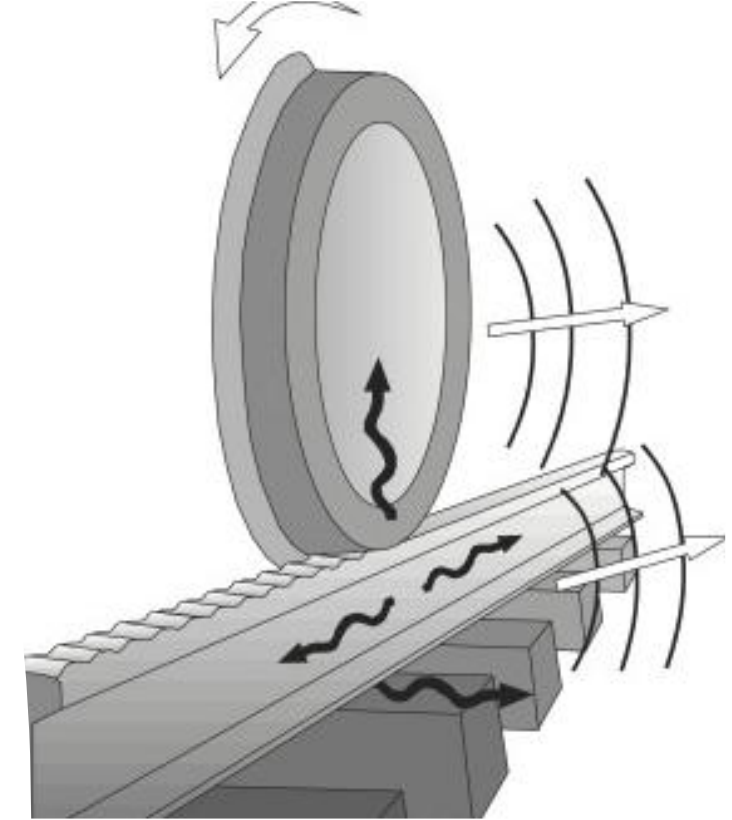
Rail Infrastructure Engineer, partnered with track monitoring startups, led 400 technicians in East London area

Company Achievements

- Prototypes being deployed
- Top 10 Etihad Rail Innovation Awards 2024
- ~£350k testing/manufacturing investment
- £28k TRIG funding

The Challenge

- 2023-24 £920m plain line maintenance costs with 16,500 lost passenger hours
- Reduced line access due to safety concerns
- 2026 regulation update expected to further limit access.



Rail Power Solution ~ on rail acoustic intelligence & analytics

Patent Pending

Technology filed with
IPO UK

Early Detection

Uses rail vibration for
early onset failure
detection

Precision Identification

Can identify specific
failure mechanism

Innovative Approach

Passive monitoring
coupled with machine
learning

Route to Market & Call to Action

Rail Power



1. Prototype Deployment

TRL 4 to TRL 6



2. Data Analysis

Confirm laboratory
results in the real world



3. Scale Up Partnership Opportunities

Exhibit at Trade Show Spring 2026

Rail infrastructure
Tram infrastructure



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