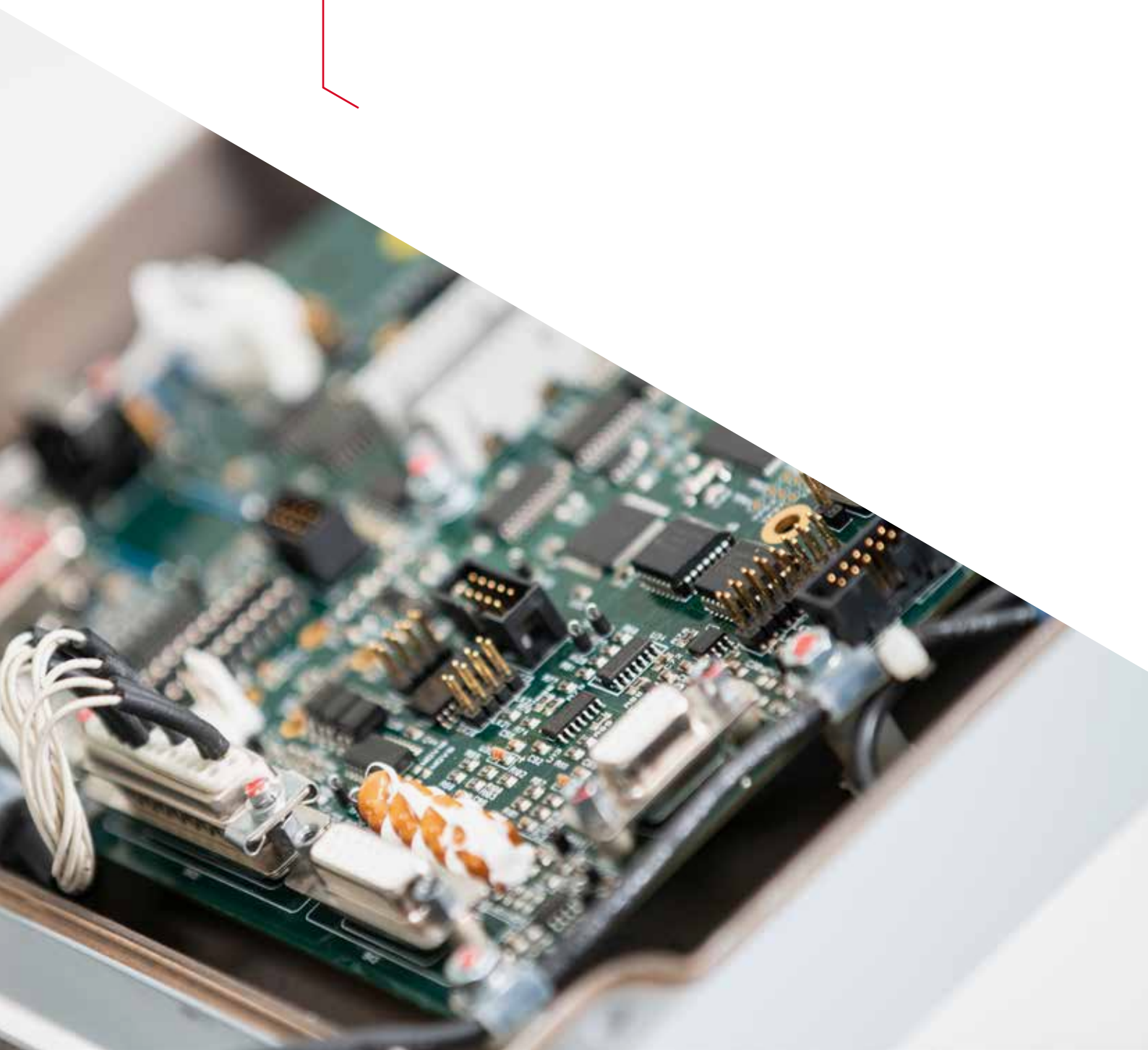




Rowe Hankins Ltd.

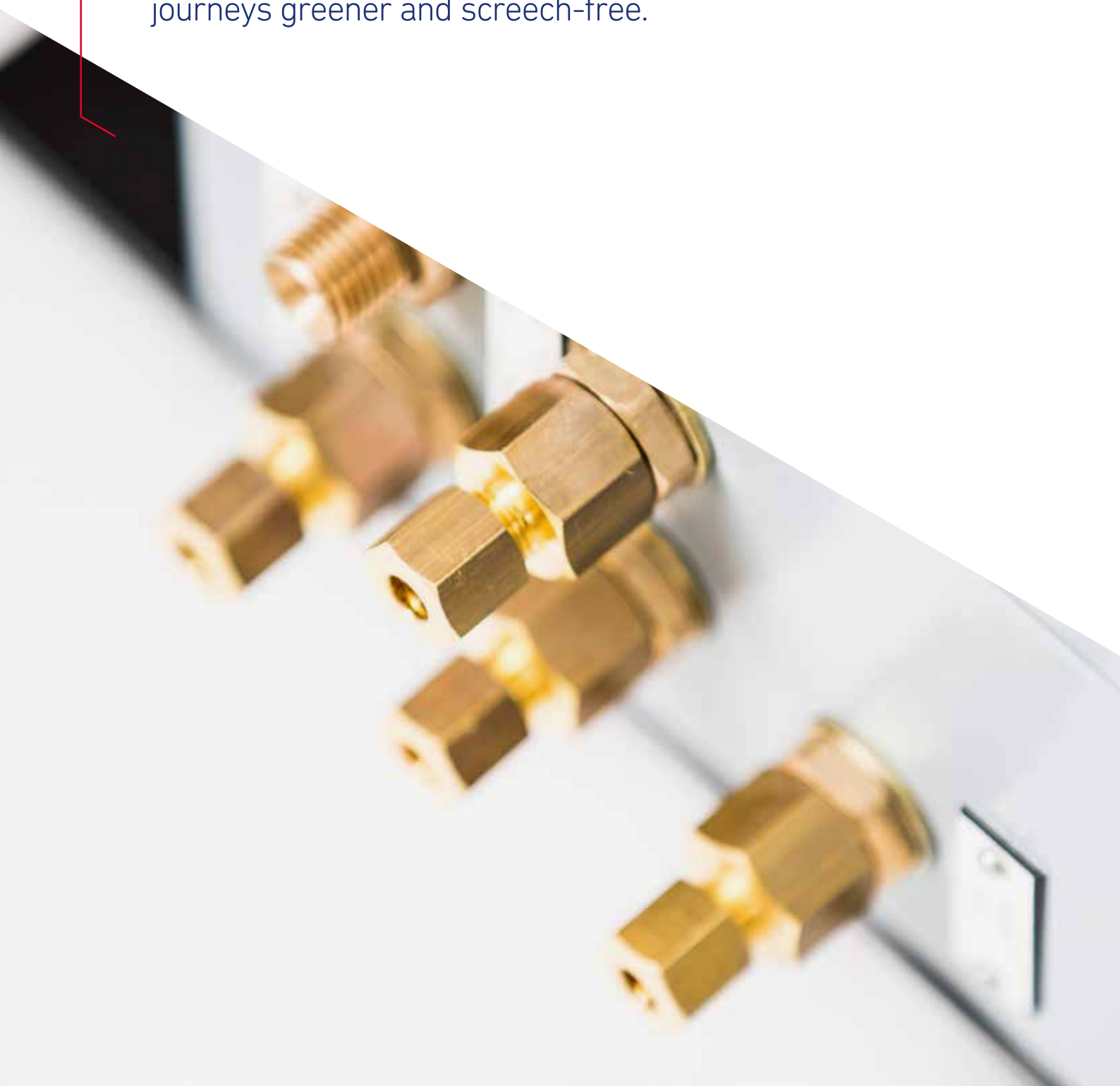
iWFL & ToRFM Systems





Precision...
made here

Rowe Hankins Ltd. has supplied a UK Government-backed rail project with an award-winning intelligent modular system that enables asset managers to extend the lifecycle of wheel wear & rail infrastructure that makes passenger journeys greener and screech-free.



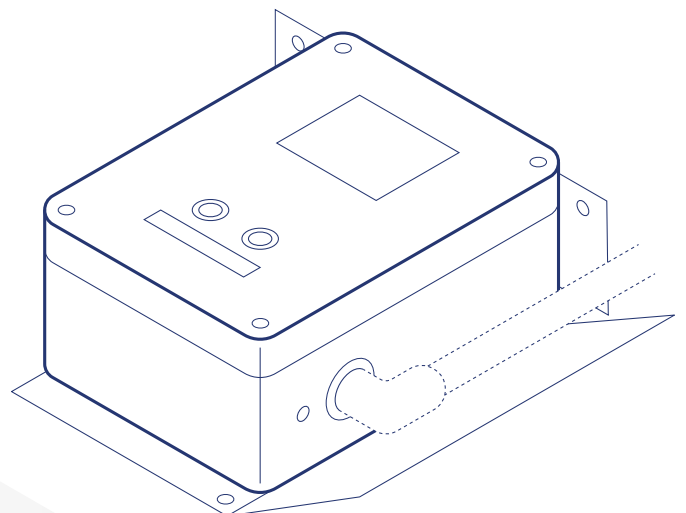
Our Intelligent Wheel Flange Lubrication (iWFL), is a trainborne dispensing system which applies precise amounts of biodegradable lubricant to the rail wheels. Engineered for both national rail networks, urban metro and light rail tram services. The iWFL system improves infrastructure and rolling stock service life and overall safety by reducing both wheel and track wear.

To extend rail and wheel life, the iWFL uses geographical location-based dispensing of flange lubrication. Its intelligent design can sense the location and intensity of track curves using a combination of GPS signals and speed and distance sensors. The unit processes the fixed and dynamic data and, only where required, applies lubricant precisely at the desired locations.

Top of The Rail Friction Modifier (ToRFM), is engineered to reduce rail curve squeal noise and short pitch corrugation by the application of a friction modification grease to the top of the rail track. When used with the iWFL, they improve safety by reducing friction and rail wear. It also improves fuel economy, potentially reducing fuel consumption by 10-15 per cent depending on application.

An effective flange lubrication system significantly extends wheel life and reduces rail wear, when compared with a non-lubricated rail network. This results in extending service and maintenance intervals, reducing down-time and costs, and most importantly, improving overall safety.

Lubrication serves to reduce abrasion (wear) of wheel flanges and railheads, which occurs especially on track curves and at track switch points. Rowe Hankins Ltd. offers a reliable and effective solution for smooth contact between the wheels and the rail. The Rowe Hankins Ltd. Intelligent Wheel Flange Lubrication system (iWFL) is an innovative and effective trainborne solution. Lubrication of the flanges consists of spraying special lubricant from the nozzles directly onto the rotating wheels. The nozzles are directed precisely at the train wheel flange.



Features & Benefits:



Easy installation and maintenance.



Energy efficient.



Reduces wheel wear and extends track life.



Selective wheel spraying, flange / back of flange or top of the rail.



Reduces noise and screeching.



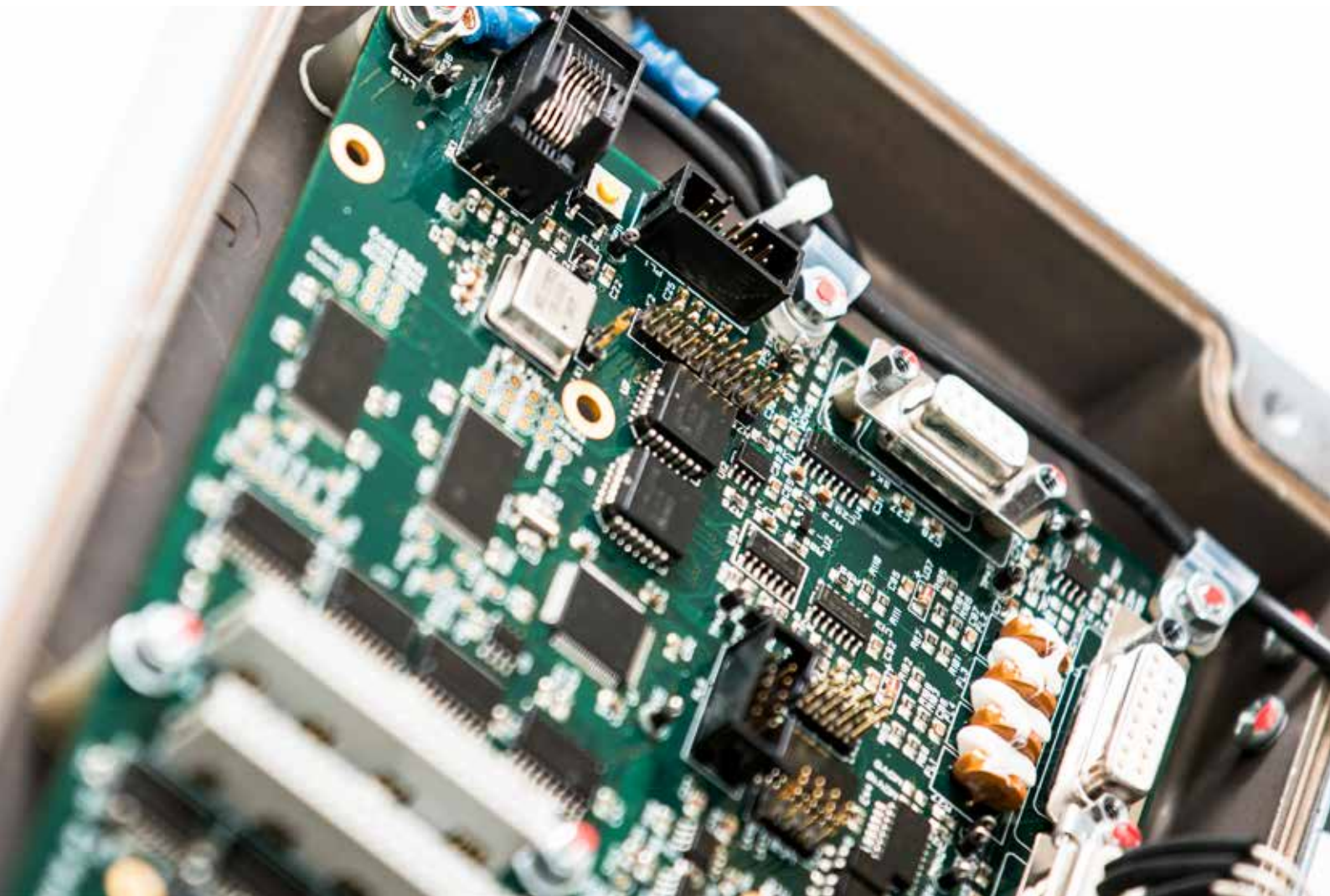
Reduces contact fatigue.



Reduces potential derailments.



The systems can be supplied with:
biodegradable lubricant: RHC-FG15 and
biodegradable top of rail friction modifier:
RHC-TG15.





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