



RAIL LIVE 2026

17TH & 18TH JUNE

OUR PRODUCTS

Dual Inventive will be returning to Rail Live 2026 for the fifth year running on 17th and 18th June. You'll find us at our usual spot on stand B28, as always visitors can expect a touch of Dutch influence on the stand.

Rail Live 2026 is a fantastic opportunity for us to connect with new and existing customers, giving visitors valuable insight into what we do and how we're transforming rail safety through our innovative rail technology solutions. This year we'll be showcasing the following products:

ZKL 3000 RC

Our flagship product is back - the ZKL 3000 RC, Network Rail approved, SIL 4 remote-control track circuit operating device (T-COD).

When the ZKL 3000 RC is activated, it simulates a train in a section of track causing the track circuit to show 'OCCUPIED' holding the protecting signal to danger. This prevents any trains from entering the protected area, allowing track workers to focus on maintenance work.

Historically the ZKL 3000 RC has been used for T2 line blocks. However, since 2024 there was a deviation to Network Rail's Rule book enabling T3-A possessions to use remote-control track circuit operating devices such as the ZKL 3000 RC - providing even more protection to track workers while gaining efficiencies.

SAFE. RELIABLE. FAST.

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CRM 3000 (critical rail monitor)

The CRM 3000 is a compact wireless rail temperature sensor with magnetic fixings which can be attached to the rail effortlessly. Using low-power NB-IoT technology it transmits real-time temperature data to our cloud-based monitoring platform.

The CRM 3000 allows you to set temperature thresholds, once the temperature breaches the threshold, you'll be notified by an alert – allowing you to take necessary action.

RSS 3000 (remote safety switch)

The RSS 3000 is a remote-control safety switch that secures railway signalling equipment in a safe state. It ensures the safety of the railway worksite, including plant equipment and track workers, and creates a safe working environment.

The RSS 3000 has many uses:

Use Case 1- Uses existing signalling system

The RSS 3000 connects to the signal interlocking equipment. When activated via MTInfo 3000, it cuts the power to the signalling relay, setting the signals to red to provide a safe work zone preventing trains entering the protected area.

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Use Case 2 – Remotely operates overhead line isolation equipment

The RSS 3000 is integrated with specialised switchgear, when the device is activated via MTinfo 3000 app, it creates a short-circuit to the overhead line or third rail.

Use Case 3 – Remotely operates user worked crossings

Using the RSS 3000 to remotely operate user-worked crossings requires users to request permission from the signaller before the gates are opened. Signallers can then remotely lock and unlock the gates at the click of a button using the MTinfo 3000 app, ensuring only authorised users are able to cross. Quick to install and requiring no heavy infrastructure, the system helps reduce the risk of misuse while improving overall safety.

RCS 3000

The RCS 3000 (remote-control signal) is operated through our secure cloud-based platform MTinfo 3000. The design is very similar to Dual Inventive's core product - the ZKL 3000 RC (Remote-control Track Circuit Operating Device), with the exception of red LED stop lights.



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The RCS 3000 replicates the function of a conventional railway signal to create a safe operational environment. It is usually deployed where lineside signals and train detection are not installed (logistics, depot etc) or where permanent power isn't always available to activate the more traditional signals. The visibility of the red LED lights is critical – they must be clearly visible at a distance regardless of the weather.

NEW Large Capacity Battery

The larger capacity battery is designed to significantly extend operational life providing a minimum of three months of battery performance, and up to six months when used with a tandem cable. Performance estimates are independent of solar input, creating a robust and reliable baseline of power availability that effectively delivers a constant power supply to the ZKL 3000 RC.

When paired with a solar panel, the system enables efficient summer energy harvesting to recharge and maintain the battery, while excess energy can be stored and carried forward into winter when solar generation is reduced. This combination ensures a stable and dependable power supply throughout the year, effectively creating a near-permanent source of power.