



Case Study: Assets (Camlin PMS2)

Improving power system reliability through live condition monitoring

Learn how Network Rail achieved **full system visibility** and **live condition monitoring** across regional power networks via a partnership between Tracsis and Kent PHK.



Addressing fragmented monitoring and **visibility issues**

In partnership with Kent PHK, a leading UK rail engineering organisation, Tracsis delivered **first-of-its-kind remote condition monitoring (RCM) and playback capability** for Network Rail. The solution integrates with the Camlin Signet system to give engineers end-to-end visibility from Primary Supply Points (PSPs) through Field Supply Points (FSPs) and back, **enabling faster diagnosis, improved reliability, and safer operations.**

Network Rail, the owner and manager of most of the UK's rail infrastructure, needed to **improve monitoring and playback functionality** across key supply points across the region. Existing remote monitoring systems were fragmented, with separate RCM platforms handling building alarms, Automatic Reconfigurable System (ARS) data, and 650V system readings. This created blind spots, slowed maintenance response times, and limited compliance reporting.

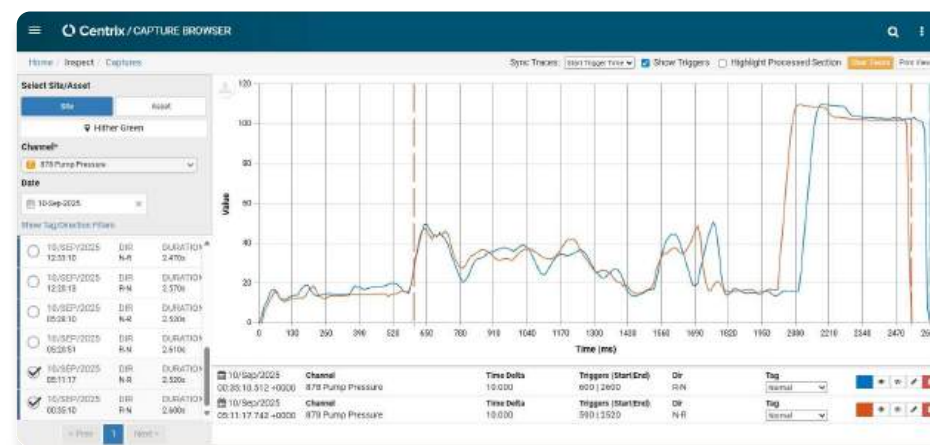
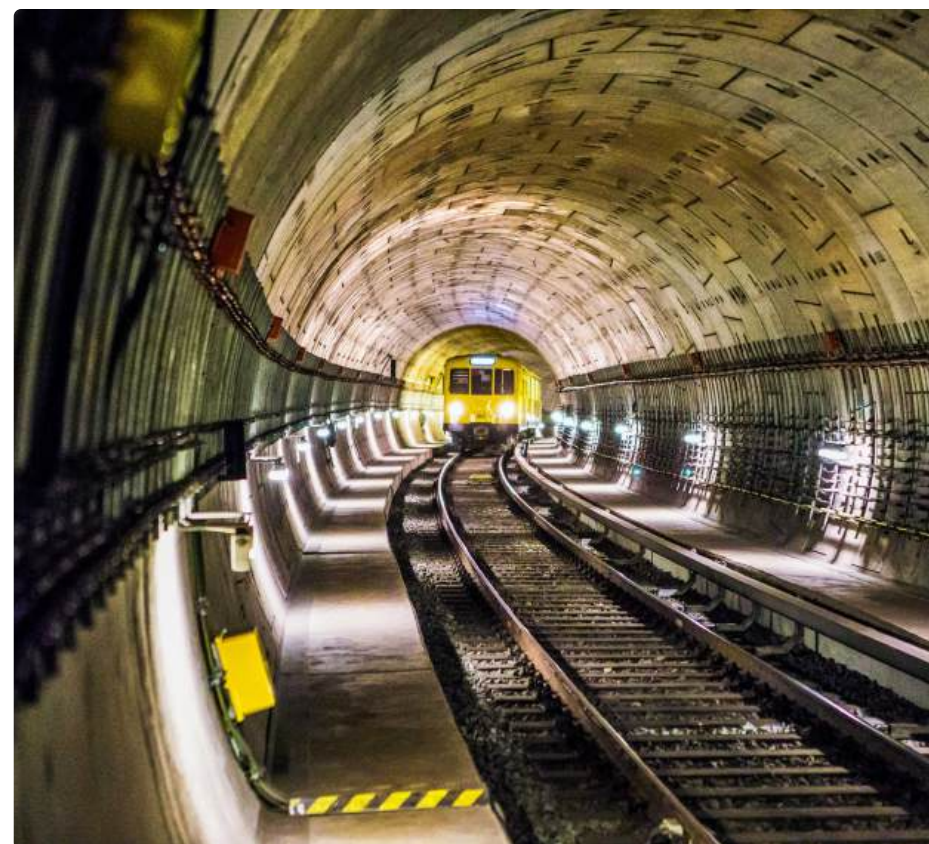
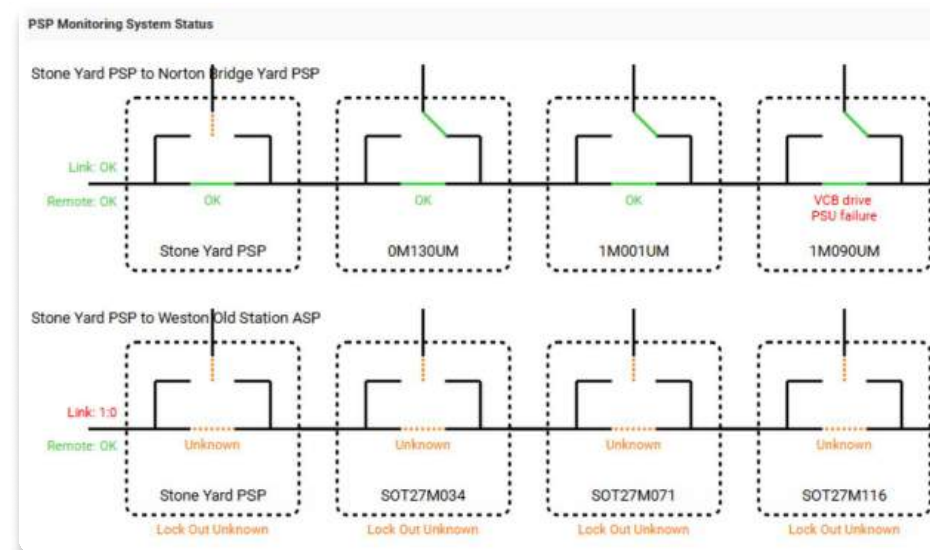
To address these gaps, Network Rail sought a **unified view of the power network** to provide **real-time insights** into equipment status, insulation performance, and system alarms across multiple sites.

Delivering **visibility and monitoring across the region**

Tracsis worked with our infrastructure partners, **Kent PHK**, to deploy Tracsis condition monitoring software to consolidate all network intelligence into a **single operational dashboard.**

This enhanced environment replicates and extends previous playback capabilities while introducing new logic and visibility features. Live insulation readings are now captured continuously, allowing **trend analysis and early warning** against insulation degradation in line with regulatory standards.

Alarm logic was also refined to eliminate false positives during power supply interruptions, giving engineers a **cleaner and more actionable dataset.**

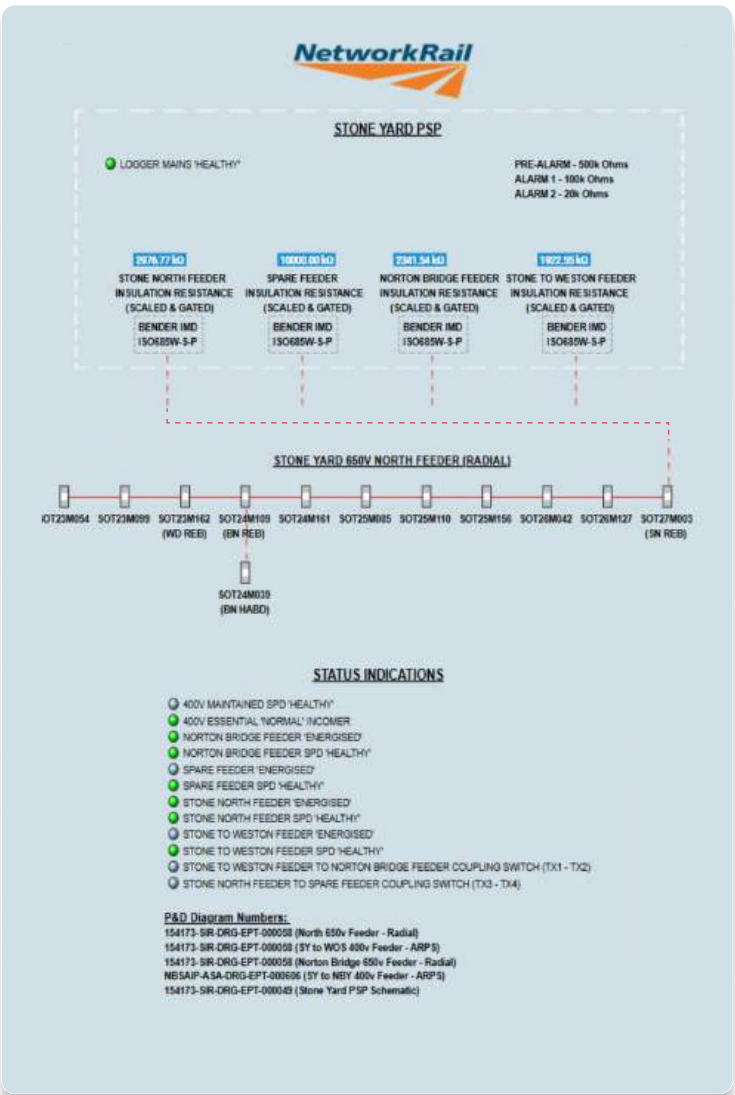




Powering reliability and visibility through real-time insight

The system incorporates Tracsis' Remote Condition Monitoring system to visualise feeder layout and insulation performance in real time.

- ✔ **Live feeder visibility** displaying open points and power routes across the 650V ARS network
- ✔ **Continuous insulation monitoring** with trending and threshold alerts
- ✔ **Integrated alarm logic** that differentiates between power failures and genuine equipment faults
- ✔ **Unified playback and analysis** view accessible across all PSP and FSP locations



Resulting in a new benchmark for visibility in complex rail power systems

Following the successful rollout at Stone (West Coast South route), Network Rail and Kent PHK **plan to extend the same model to further sites** across Anglia and Southern

The project serves as a **blueprint for wider network adoption**, demonstrating how Tracsis' Remote Condition Monitoring solutions can **modernise legacy infrastructure** and **standardise network visibility** across global networks.



Improved operational visibility and proactive maintenance planning



Reduced unnecessary site visits and associated travel costs



Enhanced system reliability and resilience across multiple supply points



Lowered risk exposure during on site inspections and maintenance

Discover how Tracsis can improve your network

Find out how our **globally deployed condition monitoring** solutions can strengthen reliability across your operations by speaking with our expert engineers today.

Email us: RTSenquiries@tracsis.com

