

# The Transpennine Route Upgrade (TRU)

## The Challenge

The Transpennine Route Upgrade (TRU) faced significant and ongoing risk of cable theft, driven by high copper values and the remote, extensive nature of the rail network. Limits on the maximum number of cable joins allowed meant that even a small section of cable stolen could lead to the replacement of large sections, with potential costs of £1 million or more - clearly unacceptable to TRU, especially as a taxpayer funded programme.

They chose DeterTech as a key partner in conquering this critical challenge.



## The Solution

Together we developed a strategic toolbox that could be deployed flexibly to suit any given site, with a bespoke combination of intelligence-led monitoring, cameras, Portable Intrusion Detection units (PIDs), SmartWater forensic marking and deterrent signage.

Forensic marking is now mandatory for new cable installations, while cameras provide monitoring, for rapid intelligence gathering and police intervention. In addition, access to the NICRP intelligence dashboard, powered by DeterTech, provides essential insights for identifying hotspots and proactively planning solutions.

## The Impact

This pre-emptive, flexible approach has cut investigation timelines and repeat incidents, strengthened security culture and significantly cut the risk within the TRU programme, potentially saving millions of pounds in direct cable loss, project delays and regulatory fines.



**“ We’re actively preventing thefts, saving significant time and cost. ”**

TRU