



# Train Track Inspection

## £1 Million

Network Rail **savings annually\***

## AT A GLANCE

### DETAILS

**Company:** Network Rail  
**Operator:** Plowman Craven  
**Location:** UK  
**Industry:** Transport  
**Activity type:** Inspection

### BENEFITS

- £1 Million savings annually
- +/- 5mm accuracy
- Elimination of 6 week lead time
- Risk reduction with workers off the tracks



### ISSUE

Regular inspection of train tracks in the UK is essential to identify potential compromises caused by factors such as vegetation growth and erosion. Traditional inspection methods disrupt services and pose safety risks.

### SOLUTION

Plowman Craven provides a drone-based surveying solution that operates 20 meters above tracks with +/- 5mm accuracy, meeting Network Rail's accuracy requirements without interrupting train services or compromising safety.

Plowman Craven says:

"Safety is of paramount importance and is driven by Network Rail's own "boots-off-ballast" approach. The Vogel R3D system virtually eliminates track access, but in doing so also provides a significant reduction in programme time. A typical 6-week lead time for track possession can be avoided, leading to faster project deployment and completion, with the associated reduction in risk and cost."

### BENEFITS



#### Cost Savings

Network rail estimate savings of £1 million annually, from the continued service to reduction in on site staff.



#### Time Savings

No need to interrupt train service for track inspection.



#### Safety improvement

On service lines that cannot afford closures, a team of engineers must walk the tracks alongside live tracks to carry out inspections. Replacing this hazard by removing the human factor is the best way to reduce the risk to life.



\*According to PwC report "Skies without limits v2"

**Plowman Craven**

