

**CACI**

# **RADAR**

## **ROUGH RIDE SOLUTION**

**A NEW, INNOVATIVE SOLUTION THAT WILL BRING BENEFITS AND SAVINGS TO YOUR BUSINESS WHILE IMPROVING CUSTOMER EXPERIENCE**

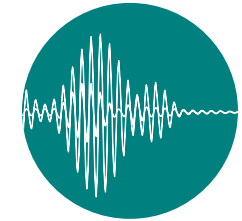
**RADAR - ROUGH RIDE SOLUTION WILL DETECT TRAIN AND/OR TRACK FAULTS USING INDUSTRY APPROVED IOT SENSORS FITTED WITHIN THE TRAIN.**



**REDUCE DELAYS  
RESULTING FROM  
EMERGENCY AND  
TEMPORARY SPEED  
RESTRICTIONS**



**DECREASE COSTS  
ASSOCIATED WITH  
ROUGH RIDE EVENTS**



**IMPROVE RIDE  
COMFORT AND  
CUSTOMER  
EXPERIENCE**

**THIS SOLUTION IS ANOTHER SIGNIFICANT ENHANCEMENT TO OUR RADAR RAIL AGGREGATION PLATFORM.**

- Processes and aggregates data from multiple industry sources.
- Matches received data against train services or locations in real time.
- Uses train schedules and real-time train movements.

RADAR outputs the Rough Ride results so you can view events on a heat map. This provides operational intelligence on potential faults to the train or track in real-time, enabling action to be taken more swiftly.

Notifications can be sent to teams across your business depending on the volume and frequency of events reported.

For further information,  
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**Jason Durk**

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## BETTER DEFECT REPORTING



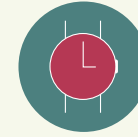
PROVIDE FASTER  
NOTIFICATIONS  
TO DEFECT REPORTING



GREATER GRANULARITY  
OF TRACK FAULT  
LOCATIONS



REDUCE THE TIME TAKEN  
TO IDENTIFY FAULT  
LOCATIONS AND CARRY  
OUT REMEDIAL WORK



REDUCE TIME  
IN FINDING TRAIN  
FAULTS



REDUCE FINANCIAL  
PENALTIES  
DUE TO ROUGH RIDE  
EVENTS

## ENHANCED CUSTOMER EXPERIENCE



FEWER CANCELLATIONS  
AND DELAYS



IMPROVEMENT IN THE  
OVERALL CUSTOMER  
EXPERIENCE



GREATER SCORES  
IN NATIONAL RAIL  
PASSENGER SURVEY



HIGHER CONFIDENCE  
IN RAIL SAFETY



FEWER EMERGENCY  
AND TEMPORARY SPEED  
RESTRICTIONS

## RAILWAY STAFF BENEFITS

MAINTENANCE AND OPERATIONAL STAFF WILL BENEFIT FROM BETTER INTELLIGENCE OF WHERE TRACK AND TRAIN FAULTS EXIST:



PINPOINT TRACK  
SECTIONS  
WHERE EVENTS ARE  
CAPTURED INCLUDING  
LOCATION DETAIL



REDUCE TIME  
AND STAFF RISK  
FOR TRACKSIDE  
MAINTENANCE



EARLY DIAGNOSIS  
OF POTENTIAL  
PROBLEMS ALLOWING  
PREVENTATIVE  
MAINTENANCE



PROVIDE DATA  
TREND ANALYSIS  
TO INFORM  
MAINTENANCE REGIMES  
FOR BOTH TRACK AND  
TRAIN



DECREASE "ROUGH  
RIDE" EVENTS  
ACROSS THE NETWORK  
SO THERE ARE FEWER  
MAINTENANCE  
INTERVENTIONS