

Employer | **Network Rail**  
 Designer | **Aquarius Rail**  
 Title | **Road Rail Vehicle Trailer  
 and Crane Attachment**

Using the Aquarius Rail Trailer Crane our team on its first shift recovered 6 points machines easily and quickly with zero manual handling. It was perfect for the job.



Chartered Institute  
of Ergonomics  
& Human Factors

## BEFORE



- The challenge was how to eliminate or reduce the manual handling of heavy rail track points operating equipment
- Before the design change manual handling had always involved a team of six people lifting and carrying the 250kg track points
- The points machines themselves are a heavy and uneven load and tended to swing as being moved

## AFTER



- A collaborative effort between Network Rail staff in Leeds and Aquarius Rail developed a be-spoke Road Rail Vehicle Trailer and Crane Attachment
- The innovative solution helps eliminate manual handling of the track points both at the depot and at the trackside
- The new equipment has also found wider benefits and is now being used to reduce manual handling in the environmental clean-up of trackside rubbish