

## Non Destructive Testing

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An essential part of modern railway operations is the use of Non Destructive Testing methods to assess the condition of a range of safety critical assets. The use of NDT probes for axle inspection is a common process used to detect potentially dangerous fatigue cracks. NDT is also used to detect a range of rail defects.



### Current projects:

- [EU – SAFERAIL: development of NDT for wheel axles \(/Documents/college-eps/railway/Saferail.pdf\)](/Documents/college-eps/railway/Saferail.pdf)
- [TSC - High speed rail inspection using ACFM technology \(/Documents/college-eps/railway/ACFM.pdf\)](/Documents/college-eps/railway/ACFM.pdf)
- [EPSRC - New ultrasonic instrumentation for the scientific study of rail defects \(/Documents/college-eps/railway/EMATS.pdf\)](/Documents/college-eps/railway/EMATS.pdf)

