

Achievement: Optimized strategy for survey near rails



- **Issue:** How to optimize the survey of pipeline networks near rails?
- **Solution:** Elsyca did a fundamental study of soil potential disturbance by traction systems including railway layout (spacing, number of tracks, ...), rail-to-earth resistance, earth resistance, track voltage and effect of catenary support column imbedded in concrete base
- **Results:**
 - Criteria for minimum safe distance
 - Optimized survey strategy that does not require the reference electrode to be in the “far field”

