



CONSORCIO
IUYET



MOBILE MAPPING

SiTrack: One

Independent positioning system for high resolution 3D topographic surveys on any rail or metro track. Resolution surveys in three dimensions on any railway or metro track. It is equipped with GPS, laser meters (DMI) and Inertial Measurement Units (DMU) that allow positioning even without access to GPS signal.

The equipment is equipped with profilers to determine the section of the track profile and its wear.

Its mobile geospatial data capture system reduces on-site working time and enhances safety, as surveys are continuous.



SERVICES

- Track detail capture with 0.3 mm accuracy.
- Capture of the track environment (as built) for interference detection, measurements, monitoring and maintenance.
- Obtaining vertical and horizontal alignment and track over-elevation.
- Catenary detection.
- Generation of track charts.
- Preventive detection of collisions of rolling stock with structure.
- Deformation analysis in tunnels.

BENEFITS

- Less time spent on site.
- Accurate environment capture.
- Highly accurate reality capture of track conditions.
- Input for BIM.
- Data capture at an average speed of 3.5 km/hr.

OUR TEAM

Only team of its kind in the Americas, second in the world.