

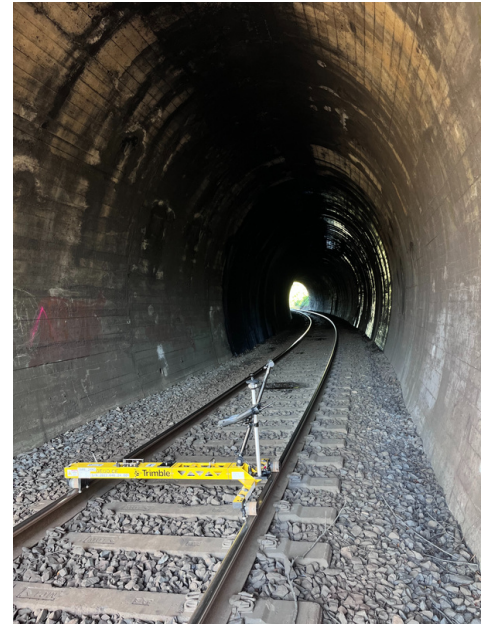
Purpose:

Capture absolute lift and line values so tampers place track to true design.

Why pre-measure? Traditional tampers consider curvature, gradient and cant, but not the absolute position. Pre-measuring provides correction values against the nominal alignment.

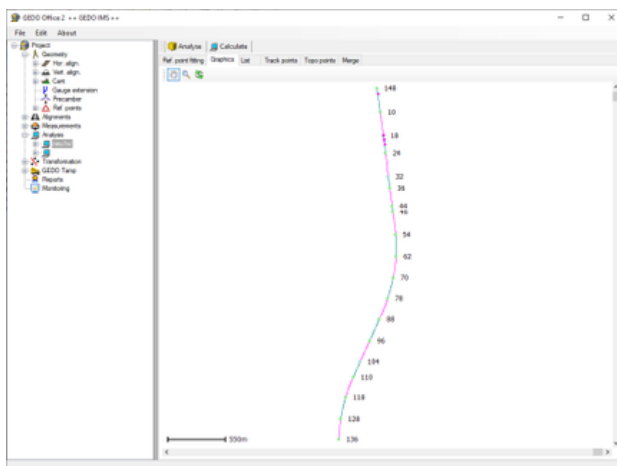
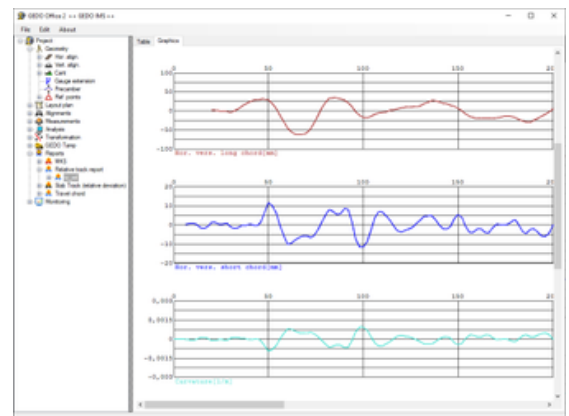
Workflow:

- 1) Verify control
- 2) Measure existing track with GEDO system
- 3) Analyse and compute trolley data
- 4) Export lift, line and measurements to tamper
- 5) Post tamp measurements for QA



Deliverables:

- Lift and line correction tables
- Absolute position vs design
- Main point detection
- Tamper files
- QA reports



Configuration: Trimble GEDO CE 2.0 trolley/GEDO Electronic Track Bar + control unit + Trimble total station.

Method:

Geodetic measurement with a total station against control points. Use when a geodetic approach is required.

When to use:

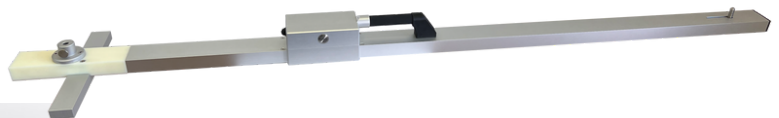
Small-scale projects, tie-ins, or sites that mandate geodetic measurement.

Deliverables:

- Absolute deviations to design for lift and line
- Tamper files
- Reports from GEDO Office.



GEDO Track System



GEDO Electronic Track Bar



GEDO Track System



GEDO Track System



GEDO Vorsys System

Configuration: x2 Trimble GEDO CE 2.0 trolleys + control unit + Trimble total station.

Method:

Alignment-based measurement with very high internal accuracy. Absolute position from control measurements.

Field Advantages:

Live deviations to nominal alignment
Main point detection and marking
High productivity for tamping prep

Deliverables:

- Lift & line correction tables
- Absolute track position vs design
- Export files for tamping machines
- QA re-measurement reports



GEDO IMS System

Configuration:

Single GEDO CE 2.0 trolley +
GEDO IMU + control unit + GEDO Profiler or
total station for control.

Method:

State-of-the-art inertial measurement with
periodic ties to control points to capture
absolute position.

Field advantages:

High productivity and ease of use
Ideal for large scale projects
Full geometry with absolute
positioning

Deliverables:

- Lift & line correction tables (per chainage)
- Full geometry set: alignment/elevation, gauge, cant, twist (absolute)
- 3D track trajectory line
- Tamper export files

