

tCat - OLE Mobile Mapping

from Unipart Rail

Real-time LiDAR gauge for OLE surveying



Reliable, low cost geometry measurement solution

Real-time, actionable information

Automatic measurement - height and stagger

Foldable design, easy to transport

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tCat

PERFORMANCE IMPROVEMENT PARTNER

Designed to meet the main needs of the construction, maintenance and operation of the rail industry, tCat 'OLE Mobile Mapping' provides simple, precise real time measurement of geometric parameters within a railway environment.

The tCat is a portable, manually propelled trolley, which provides LIDAR, laser and camera technology to survey Overhead Line and track clearances, obtaining precise real-time measurements. The analysis software and integrated processing allows automatic identification of the contact wire and automated report generation.

The tCat workstation allows the measurement of the following parameters:

- Height and stagger of Overhead Line Equipment
- Cant/Superelevation level
- Distance travelled
- GNSS position
- Tunnel cross section
- Clearance to poles (R.E.F.O.S.)
- Clearance to railway equipment (platforms, trenches, transformer boxes, etc.)
- Electrical clearance survey (e.g. distance requirements verification at insulated/air gap overlaps).



Features & Benefits

- High accuracy measurements using a variety of sensors
- Visual check of any gauge/clearance
- Creation of OLE Project documentation
- User friendly control software for report generation and analysis
- Up to 50% reduction in time when compared to traditional methods
- Portable, foldable design which can easily be transported
- Stop & Go 2D profile measurements and continuous recording apply simultaneously



For more information on the tCat, please contact railplant@unipartrail.com

tCat

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