



**tCat**

## tCat - OLE Mobile Mapping

Real-time LiDAR gauge  
for OLE surveying



# 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.



## Features and 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

## 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).



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