

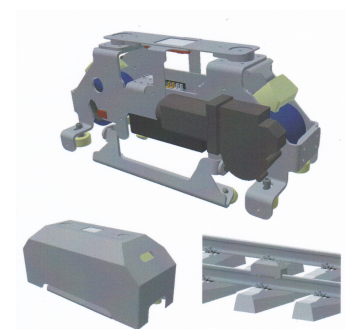
RAILWAY SURVEY VEHICLE (VAV)

Geometric survey vehicle for analysing defects in the main characteristics of rail lines (levelling and alignment, gauge, etc.). Traditional maintenance methods based on visual inspections of permanent way are not compatible with the demands of modern railways for high levels of safety, availability and comfort, thus obliging railway authorities to prefer to use survey vehicles or mobile laboratories which automate the work and enable predictive maintenance.

Main feature / technology

Small autonomous geometric survey vehicle that can be coupled to a single rail and moves without the direct intervention of any operator, with no need for squads or external references to facilitate survey work.

A VAV solves the problem of obtaining geographical parameters, by surveying the rail lines and analysing any defects in their main characteristics (levelling and alignment, gauge, etc.).



Main applications and advantages :

VAVs have applications in the technical sector of construction and inspection of rail lines, and specifically in supporting apparatus for measuring geometric parameters, as autonomous vehicles for making observations without any type of additional infrastructure being needed.

Its survey parameters are: gauge, cant, alignment, levelling and banking.

Status of the technology:

Patented

Area:

Cultural industries and tourism

Information:

To get in touch with the people in charge of this offer, please contact FUNDECYT-PCTEx by email:

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