



REDUCTION OF SUICIDES AND TRESPASSES ON RAILWAY PROPERTY



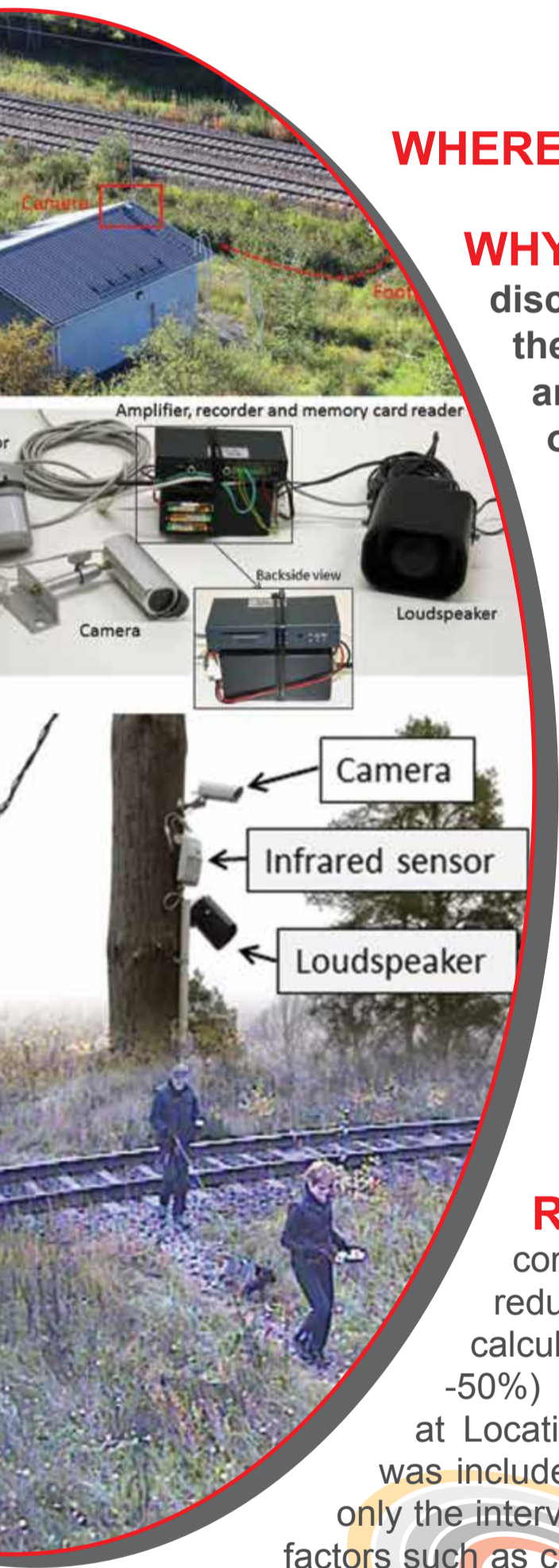
VIDEO ENFORCEMENT AND SOUND WARNING

WHERE: *Two sites in southern Finland.*

WHY: The measure is intended to discourage pedestrians from crossing the railway in that particular place, and thereby reduce the exposure of people to collisions with rail vehicles.

WHAT: Trespassers were detected by cameras equipped with motion detectors. Upon detection the person was given a warning by loudspeaker (Attention! You are illegally in a railway area. Please leave immediately!). Evaluation of the intervention's effects on the frequency of trespassing and trespassing accidents was based on trespasser counts before and after implementation. We expected that changes in the frequency of trespassing would reflect on the frequency of trespassing accidents.

RESULTS: The video enforcement combined with a sound warning can reduce trespassing significantly. The calculated effect was quite high: -44% (-38...-50%) at Location A and -18% (-6%...-30%) at Location B. However, since no control site was included in the study, the effect reflected not only the intervention but included the effects of other factors such as changes in e.g. people's needs to cross the railway, season of the year and weather. It seems likely that the detected effect represents the upper boundaries of the real effect of the measure rather than the long-term effects of possible similar installations.



This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement n° 285153