

# HIGH SPEED GUIDED GROUND TRANSPORT OF PASSENGERS – SUMMARY REPORT

The report discusses a study which makes a comparison between the use of magnetic and other suspension systems, in particular wheel-on-rail, for the transport of passengers at speeds higher than those which were currently used.

The objectives of the study were to:

- Investigate the technical problems associated with each technology
- Assess the differences in environmental impact
- Make an economical comparison between the systems

The relative advantages and disadvantages of the systems were considered at two speed ranges, 200-300 km/h and 400-500 km/h. Each system is considered with regards to operating costs, noise levels, technical and operational feasibility.

The main conclusion drawn is that for speeds of 200-300 km/h the wheel-on-rail system has the overall advantage, where as for speeds of 400-500 km/h there is less difference between the three systems.