

## Abstract

This diploma thesis was written in order to analyse the possible use of cableway systems in conurbations and as a result to recommend the most suitable cableway system for such purposes, with special focus on the example of Bregenz on Lake Constance.

It works out the requirements for urban traffic systems and for cableway systems in such an environment in particular. Various cableway systems are then described in detail with all relevant parameters, including their suitability for urban traffic.

That results in a recommendation of the cableway system which most ideally meets the requirements of urban traffic, with special reference to the inherent demands of route planning.

The theoretical background is utilised to depict how this ideal cableway system would serve the needs of the region of Bregenz, which is a complex task due to the dominant traffic corridors on the one hand and an adjacent Natura-2000 area as well as the sensitive Lake Constance shoreline on the other.

This paper illustrates the opportunities of cableway systems as a solution to intricate problems of traffic planning for conurbations and intends to promote including cableway systems into urban planning.