"Evaluation of operating concepts for tram and light rail systems in lowdemand periods worldwide"

The task is to evaluate operating concepts for tram and light rail systems in off-peak periods worldwide. In tram networks the transport demand can change over time. To encounter these fluctuations, for example, the frequency of a transport service can be changed, or on-demand transport can be established. Based on detailed literature research the reaction of tram and light rail operators to the temporal fluctuations in transport demand are to be analysed. It must be worked out how the operators adapt their services especially to a temporally weak transport demand. For the analysis at least six different countries are to be considered of which at least 3 should be outside of Europe.

In a second step different variants of off-peak hours shall be analysed and compared. Therefore, a fictitious operator in a city with a size between 100.000 to 500.000 inhabitants is to be considered. Realistic demand data is to be assumed and a basic timetable including circulation must be created. Based on this fictitious scenario different variants of off-peak hours and their effects shall be compared.