

Real-life case studies on transport and workforce optimization

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We shall present several recent case studies on different applications of transport optimization, based on Finnish data. The studied cases include local courier transport, school transportation and combined hub network design and vehicle routing. In addition to presenting the results, we shall also discuss the experiences obtained with practical implementations of the optimization tool and results. We will also present a new model and algorithms for workforce optimization, and discuss how it can be used in transport optimization. In the end we will describe how the presented methods can be improved through parallel computing, as well as the current status and future plans regarding parallel computing based approaches.