Branch-and-Price-and-Cut for a Service Network Design and Hub Location Problem

Ann-Kathrin Rothenbächer, Michael Drexl, Stefan Irnich

PII: S0377-2217(16)30395-2
DOI: 10.1016/j.ejor.2016.05.058
Reference: EOR 13744

To appear in: *European Journal of Operational Research*

Received date: 30 June 2015
Revised date: 9 February 2016
Accepted date: 30 May 2016

Please cite this article as: Ann-Kathrin Rothenbächer, Michael Drexl, Stefan Irnich, Branch-and-Price-and-Cut for a Service Network Design and Hub Location Problem, *European Journal of Operational Research* (2016), doi: 10.1016/j.ejor.2016.05.058

Highlights

- We model a real-world problem in the area of combined transport.
- We study integrated tactical planning of hub locations and service network design.
- We present a path-based model and solve it with a branch-price-cut algorithm.
- Computational experiments verify the practical applicability of our approach.