

Optimising load planning and container routing in intermodal rail transport

Citation for published version (APA):

Heggen, H. C. J. (2019). *Optimising load planning and container routing in intermodal rail transport*. [Doctoral Thesis, Maastricht University, Universiteit Hasselt]. Maastricht University. <https://doi.org/10.26481/dis.20190619hh>

Document status and date:

Published: 01/01/2019

DOI:

[10.26481/dis.20190619hh](https://doi.org/10.26481/dis.20190619hh)

Document Version:

Publisher's PDF, also known as Version of record

Please check the document version of this publication:

- A submitted manuscript is the version of the article upon submission and before peer-review. There can be important differences between the submitted version and the official published version of record. People interested in the research are advised to contact the author for the final version of the publication, or visit the DOI to the publisher's website.
- The final author version and the galley proof are versions of the publication after peer review.
- The final published version features the final layout of the paper including the volume, issue and page numbers.

[Link to publication](#)

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal.

If the publication is distributed under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license above, please follow below link for the End User Agreement:

www.umlib.nl/taverne-license

Take down policy

If you believe that this document breaches copyright please contact us at:

repository@maastrichtuniversity.nl

providing details and we will investigate your claim.

PROPOSITIONS (STELLINGEN)

ACCOMPANYING THE THESIS

OPTIMISING LOAD PLANNING AND CONTAINER ROUTING
IN INTERMODAL RAIL TRANSPORT

BY

HILDE HEGGEN

1. Real-life features are a prerequisite for developing algorithms and planning tools. Nobody wants to end up with infeasible solutions. (Chapters 2, 3, 4, 5 and 6)
2. In an ideal transport network, multiple complimentary transport modes and connections should be available simultaneously to ensure a sustainable transport system. (Chapters 2 and 3)
3. Time is becoming more important than distance. (Chapters 2 and 3)
4. Transport processes are becoming more complex. As a result, dynamics and multi-objective optimisation are inherently related to the development of planning tools in the future. (Chapters 4, 5 and 6)
5. Do not just stop when you cannot find improvements, you might be stuck in a local optimum.
6. Collaboration is the key to further optimisation of logistics processes.
7. In order to increase the sustainability of our transport system, more awareness should be created on the pros and cons of each transport mode.
8. The two planning tools developed in this dissertation can be implemented in existing transport management systems in order to facilitate decision support in transport planning processes.
9. Planning already gets you halfway your destination, the other half makes the journey worthwhile.
10. “Teamwork is the fuel that allows ordinary people to attain extraordinary results.” - *Andrew Carnegie*