

Accepted Manuscript

Order batching in an automated warehouse with several vertical lift modules: Optimization and experiments with real data

Lenoble Nicolas , Frein Yannick , Hammami Ramzi

PII: S0377-2217(17)31171-2
DOI: [10.1016/j.ejor.2017.12.037](https://doi.org/10.1016/j.ejor.2017.12.037)
Reference: EOR 14896



To appear in: *European Journal of Operational Research*

Received date: 23 June 2016
Revised date: 5 October 2017
Accepted date: 21 December 2017

Please cite this article as: Lenoble Nicolas , Frein Yannick , Hammami Ramzi , Order batching in an automated warehouse with several vertical lift modules: Optimization and experiments with real data, *European Journal of Operational Research* (2017), doi: [10.1016/j.ejor.2017.12.037](https://doi.org/10.1016/j.ejor.2017.12.037)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- We optimize the order batching in a warehouse with vertical lift modules.
- We use real data of two companies to test and validate our models.
- Our models improve considerably the batching method used by the companies.
- We develop a metaheuristic and obtain very good solutions in less than one minute.
- Our models have been implemented in practice and are currently used by companies.

ACCEPTED MANUSCRIPT

متن کامل مقاله

دریافت فوری ←

ISIArticles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات