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

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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.

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