

# Master Thesis

## Optimizing pallet collections in FMCG & Retail Industry



### About CHEP

CHEP helps move more goods to more people, in more places than any other organization on earth via our 300 million pallets, crates and containers. We employ 11,000 people and operate in more than 55 countries. Through our pioneering and sustainable share-and-reuse business model, the world's biggest brands trust us to help them transport their goods more efficiently, safely and with less environmental impact.

### What does that mean for you?

You'll join an international organization big enough to take you anywhere, and small enough to get you there sooner. You'll help change how goods get to market and contribute to global sustainability. You'll be empowered to bring your authentic self to work and be surrounded by diverse and driven professionals. And you can maximize your work-life balance and flexibility through our Hybrid Work Model.

### What will you be working on?

Our business model works as follows: We supply pallets to FMCG manufacturers who send their goods to retailers on CHEP pallets. The retailers notify us when pallets are empty & available for collection by CHEP, so that we can return the pallets into the circular model.

While we can regularly collect full trucks at large retail DCs, we only collect irregularly low volumes at smaller locations. You will work on one of two focus areas:

1. You will develop a **forecasting algorithm**, that forecasts the volume of empty pallets per retail DC to automate and shorten the collection process as no manual information is required.
2. You will develop a **concept that optimizes low volume collections** to reduce costs, optimize truck utilization and enhance customer experience.

### Your Profile

- Strong interest in current supply chain topics and their application in the industry
- Analytical thinker that thrives in an international team
- Very good communication and presentation skills in German and English

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