

Optimize and maximize your loadings, decrease costs, and reduce emissions

Enterprise software solution maximizing the efficiency of cargo handling.

OptiFit is an intelligent software solution built on top of our Optimus 4.0 platform and searching through millions of loading plans. OptiFit maximizes loaded volume while considering cargo weight, dimensions, stackability, respecting legal safety constraints like longitudinal and vertical stability, and evaluating your business's specific needs.

Addressable business needs

better parcel fill rate

OptiFit optimizes parcel size to reduce void space and save on filling material. It also optimizes how larger orders are split into multiple parcels, minimizing the resulting parcel volume.

truck and container loading maximization

Our application optimizes the loading process, from warehouse into truck or shipping container. In addition, OptiFit uses an intelligent loading sequence to ensure the load will not get damaged during transport.

easy rescheduling and prediction of needs

OptiFit uses historical data to predict what shipments or parcels will need to be sent and when. The application can also easily adapt to schedule changes, and accounts for factors such as the load currently in the warehouse.

Key benefits



reduction of total transport costs

By optimizing parcel sizes, OptiFit cuts the void-fill ration by at least 30%, thus reducing packaging material costs.



loading optimization in a minute

In mere seconds, OptiFit searches through millions of potential loading plans and selects the one that is not only the most efficient, but also respects your company's needs.



CO2 reduced

More efficient loading and parcel filling equals more efficient transport overall. This translates to a significant reduction in CO2 emissions.



optimized void-fill-ratio

By optimizing parcel sizes, OptiFit cuts the void-fill ration by at least 30%, thus reducing packaging material costs.

Main technical features



modular architecture

We can easily customize the platform to solve your specific problem, including company-specific policies and rules.



easy-to-customize solution

A library of standard rules and constraints applicable to logistics can be tailored to your specific needs. Our experts are ready to analyze to define the complete requirements for the optimization and tailor OptiFit specifically to your needs.



easy to use REST API

The platform can be accessed by other systems easily through a rich and extensible REST API.



on-premise, cloud, or hosted options

We provide you with the best applicable solution. We can deploy OptiFit to any major cloud provider (AWS, Azure, etc.).



easy connection to your digital ecosystem

The system can connect to your databases or existing systems for smooth integration into your existing business processes.

How we deploy OptiFit

1.

STEP 1

We collect all business rules, metrics, and criteria with your domain experts.

2.

STEP 2

We apply your requirements to OptiFit to design a unique, domain-aware model tailored to your needs.

3.

STEP 3

We connect the platform to your data and customize the graphical user interface to control the system.

4.

STEP 4

We integrate the system into your infrastructure and your processes.

5.

STEP 5

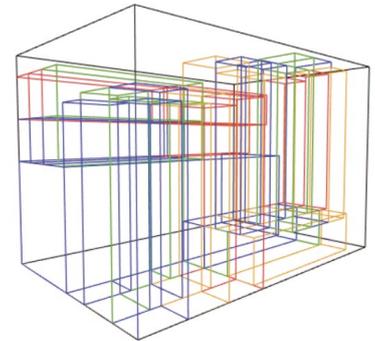
We provide continuous maintenance and support.

Case study

OPTIMIZED PARCEL SIZE REDUCED THE VOID-FILL RATIO AND SAVED PACKAGING MATERIALS

A large health and beauty manufacturer came to us looking for ways to reduce void space in parcels shipped from their distribution center and minimize so-called "shameful" shipments (almost empty boxes).

Using the company's own historical data, we developed a tool to optimize both the number of parcels shipped and their dimensions. We „shameful shipments“ (nearly empty boxes), reduced the void-fill ratio by 33%, and saved the company more than 10% of packing material.



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