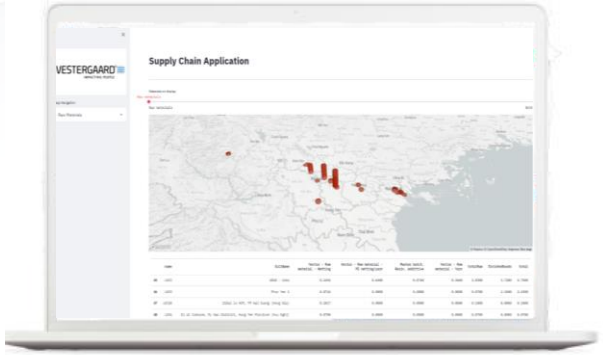
USE CASE – SUPPLY CHAIN OPTIMISATION FOR A CONSUMER GOODS MANUFACTURER

Supply chain | Optimization

PowerBI | Streamlit APP

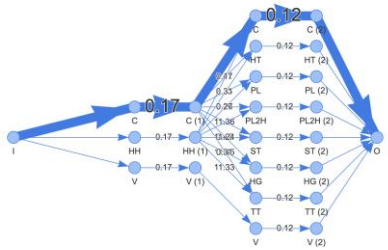


CONTEXT

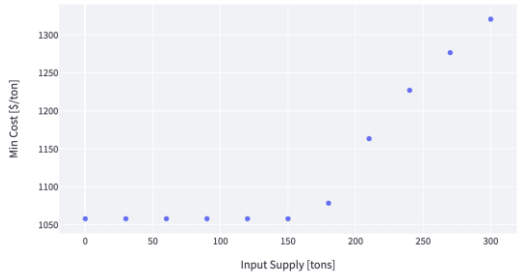
A Consumer Goods uses a network of suppliers in order to manage its supply chain. Due to a lack of communication and the use of obsolete techniques, the resources allocation was suboptimal. The company wanted to do an in-depth analysis of the supply chain in order to find ideal solutions.

SOLUTION

A dashboard aggregating all the relevant information for decision making as well as a part-time placement of one of our data scientists within the company to assist with ad-hoc analysis. The model gives a suite of ideal solutions considering a wide range of parameters and possible production sites while giving the tool's users the possibility to intuitively add/modify/remove constraints and parameters (e.g., production site, transportation costs, labor costs,...)



Input Supply Scan



BUSINESS IMPACT

- Increased visibility on the manufacturing footprint
- Reduction of net working capital and inventory levels
- Negotiation tool with contractors
- Business continuity and crisis management