



CASE STUDY

# Identifying and Mapping Scope 3 Emissions for Decarbonization Strategies





## OBJECTIVE AND SCOPE

The client, a UK-based advisory firm, aimed to support its client in managing their scope 3 emissions for two key product categories, namely Health & Wellness and MedTech. It sought Benori's support to:

- Build a model to quantify product-level Scope 3 emissions by analyzing components at a molecular level and aligning them with established emission factors
- Identify decarbonization opportunities for Scope 3 emissions in the required sectors, including case studies from industry leaders





## APPROACH

Our approach was to analyse the products at a molecular and component level, and find suitable proxies for materials lacking documented emission factors. Using free and paid databases, industry reports, articles, company websites, and blogs, we identified the components/molecules and their emission factors, additionally gathered information on key decarbonization levers from multiple sources and developed case studies from key businesses in the industry.



## METHODOLOGY



**Secondary  
Research**



**Primary  
Research**



**Data  
Modelling**





## IMPACT

The research helped the client in:

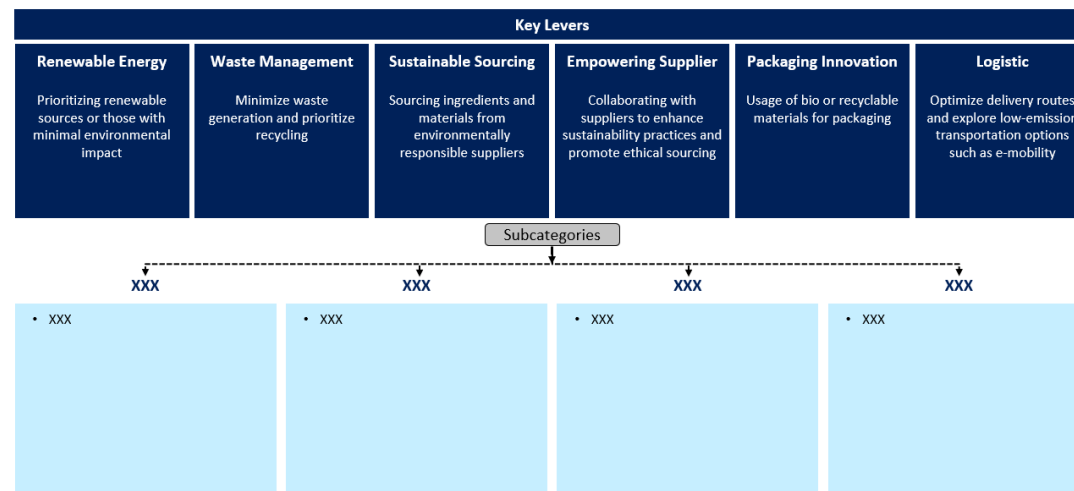
- Understanding the molecular composition of products and their carbon emissions, to track Scope III emissions
- Identify decarbonization strategies and examples to understand industry leaders' initiatives and long-term goals for reducing carbon footprints over the next 5, 10, and 15 years



# SAMPLE OUTPUT

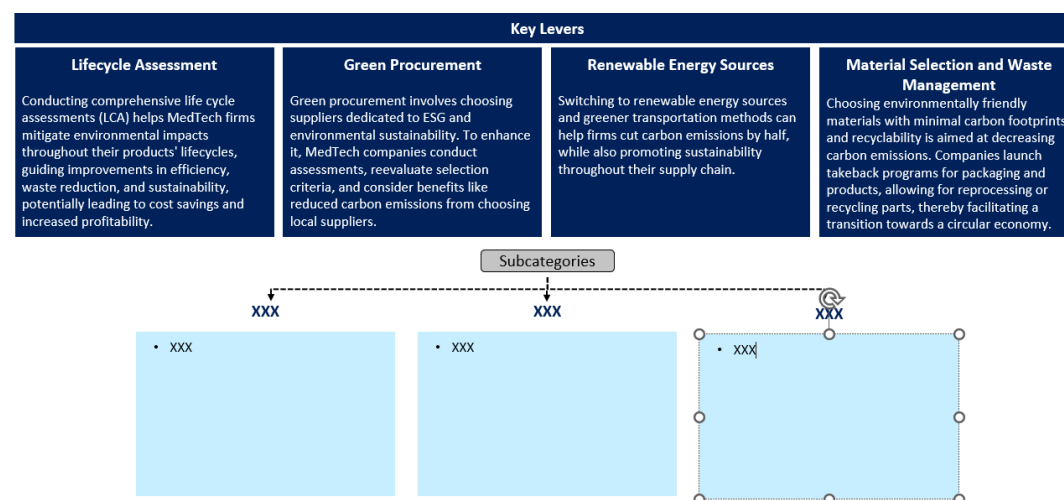
## HealthTech - Overview

### DECARBONISATION LEVRS – HEALTH AND WELLNESS CATEGORY



## MedTech - Overview

### DECARBONISATION LEVRS – MEDTECH



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