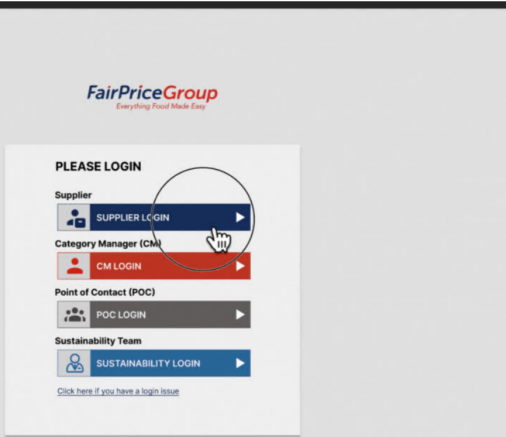


## PROBLEM STATEMENT

To achieve FPG's objective to be Asia's leading environmentally-sustainable retailer & achieve net-zero by 2050, how can FPG improve its data collection & data verification process, such that they can monitor & measure their environmental footprint accurately?



### DATA COLLECTION PROCESS IMPROVEMENTS



#### WEB PORTAL

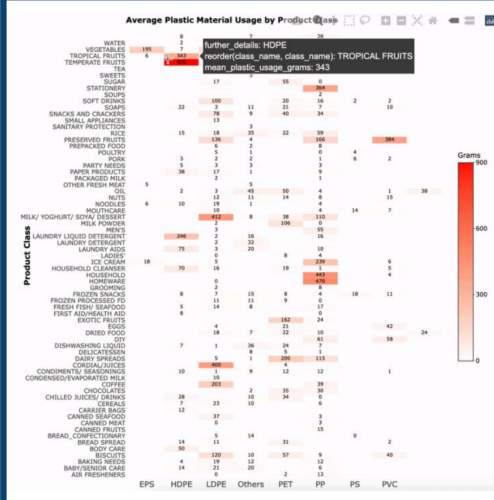
To establish a **centralised data repository** for all **Mandatory Packaging Reporting** process users: (1) Supplier (2) Category Manager (3) MPR Point of Contact (4) Sustainability Team

Addresses main issue of fragmented manual data collection and **establish controls** to ensure **greater accuracy and reliability** of inputs for tracking and reporting purposes

#### KEY CONSIDERATIONS

- Supplier onboarding
- User support and training
- Data quality standards
- Feedback mechanisms
- Potential integration with existing systems

### DATA VERIFICATION & ANALYSIS WORKFLOW



#### DATA VERIFICATION

To establish a **methodology** for more **accurate error detection** to complement the web portal's preventive controls

**3 standard deviation approach** was adopted to identify outliers which were undetected by the web portal, for which **further investigation** would be required

#### DATA ANALYSIS

To utilise **heat-maps** as a tool to identify **hotspots of high plastic usage** across categories and brands

Aid FPG to make an informed decision by **focusing on areas** that will help the **most in their sustainability efforts**



JIONG QUAN



KEITH LIM



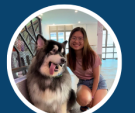
MEGAN CHEAH



NAVNEET KAUR



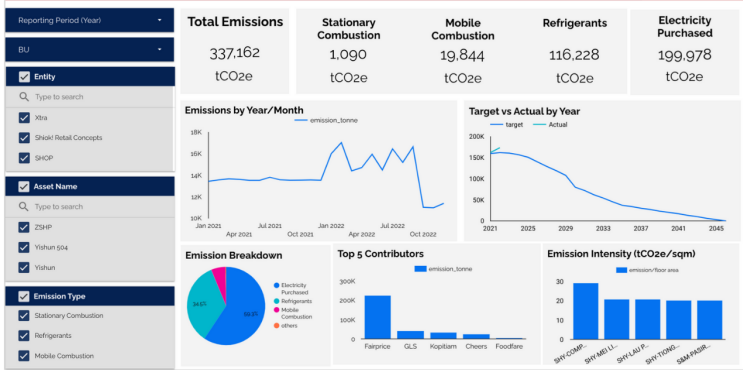
TARIK



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### DASHBOARD & DATA MODELLING

#### Emission Report



#### EMISSION REPORT

To highlight FPG's progress towards **reducing Scope 1 & Scope 2 emissions** as part of their **2050 net-zero goal**

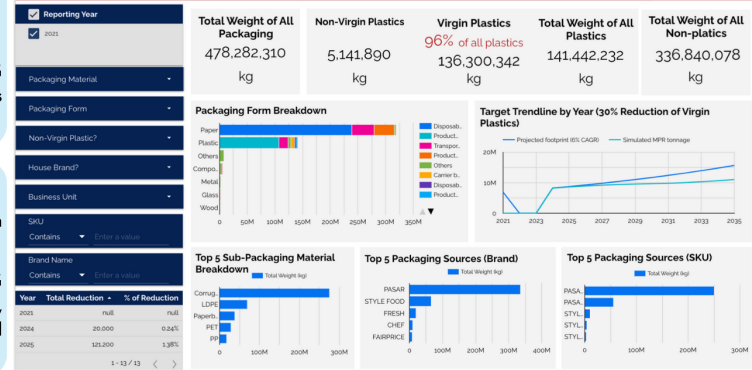
To provide a consolidated visual overview which helps FPG identify and explore amounts of **different emission types for each business unit and emission intensity**

#### PLASTICS & PACKAGING REPORT

To highlight the progress of FPG towards **reducing virgin (new and unrecycled) plastic usage by 2035**

To provide a consolidated visual overview which helps FPG identify and explore the proportion of **packaging form, business unit packaging usage and house brand packaging usage** for their reduction efforts

#### Plastics & Packaging Report



\*All data presented in this poster are fictitious & does not represent any real events or brands