

## Client Background

The Hewlett-Packard Company, better known as HP, is known for their consumer projects in both computers and printers. However, they consider themselves more akin to a technology company and are a truly global enterprise.

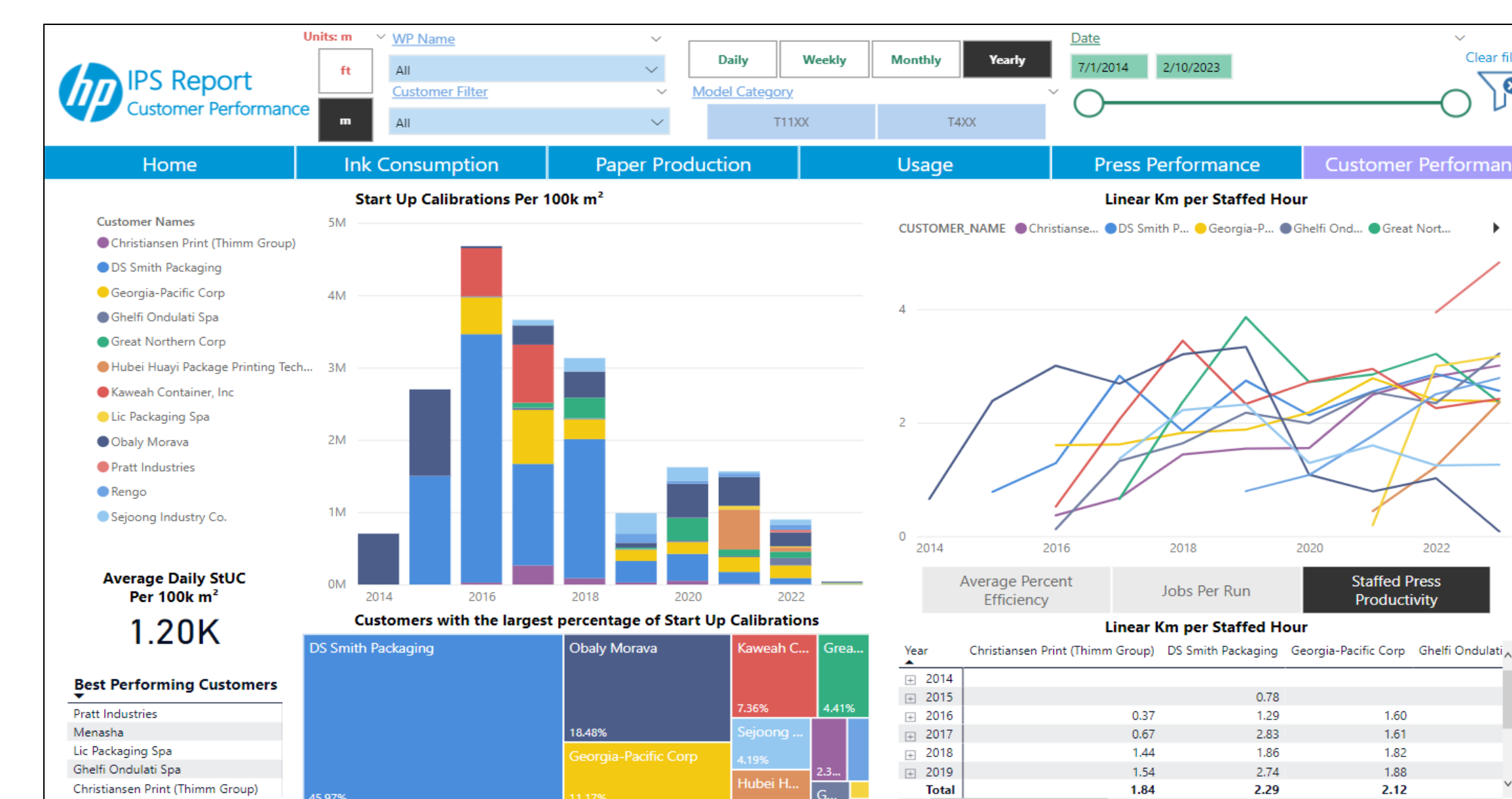
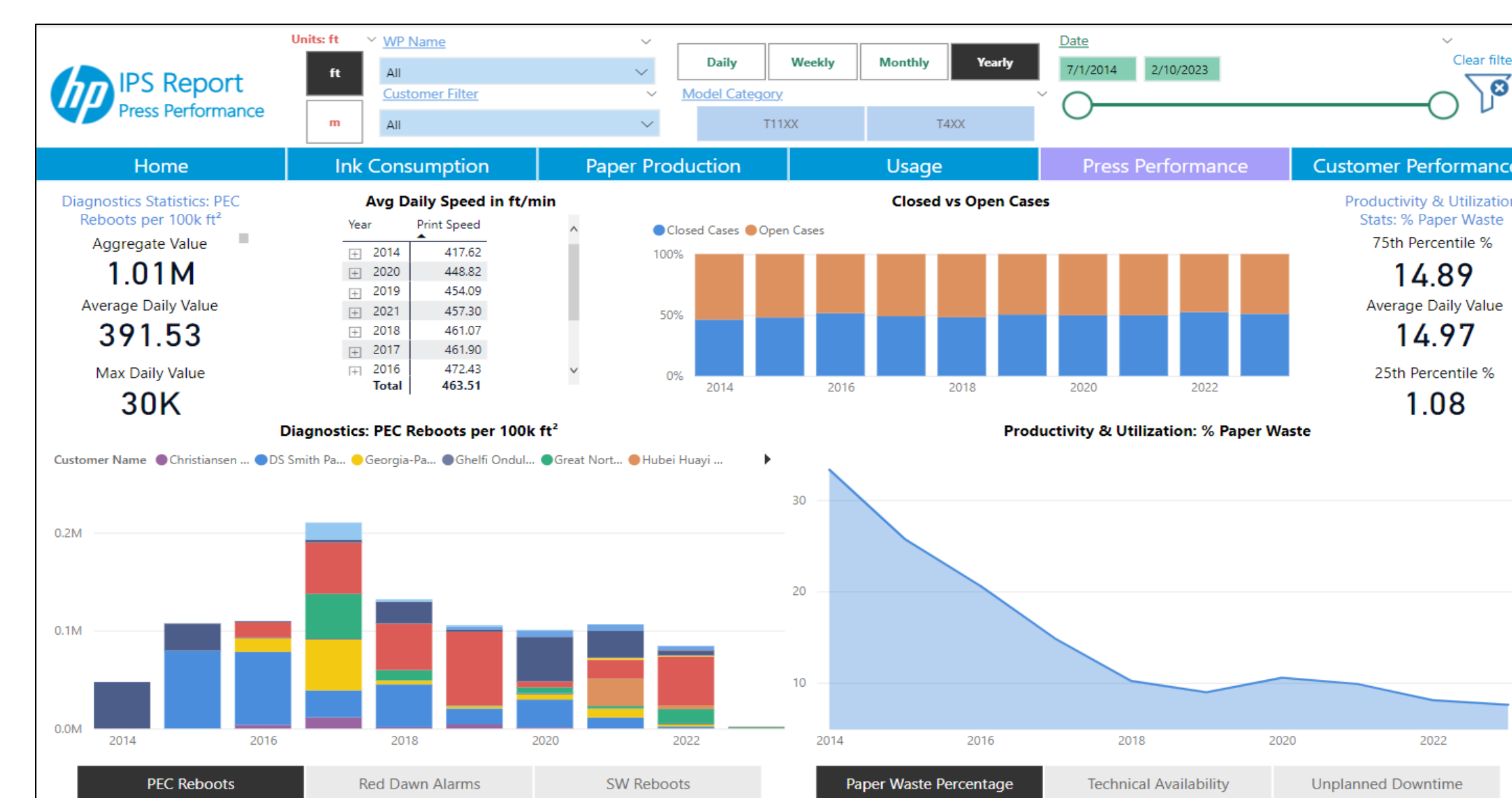
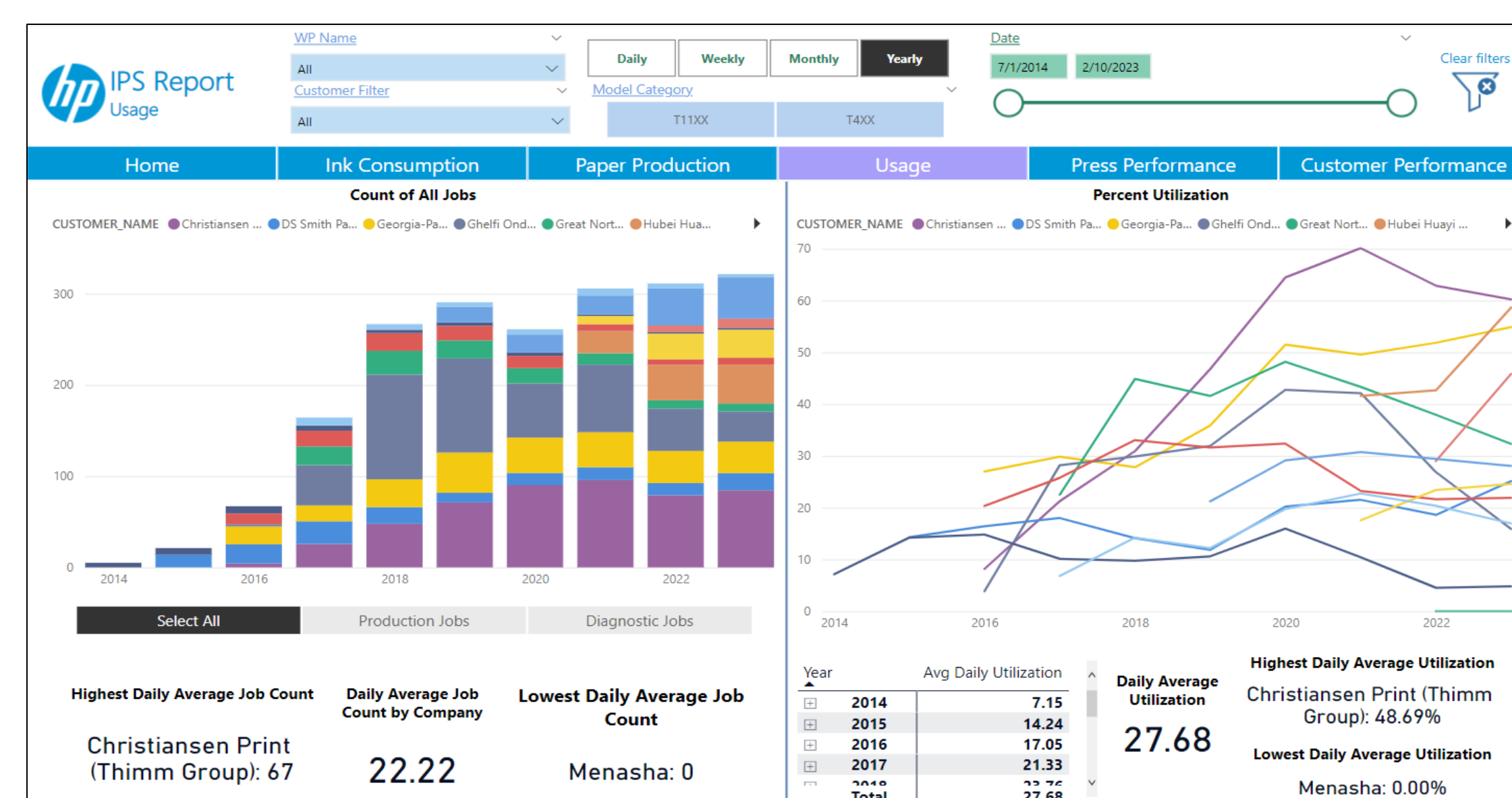
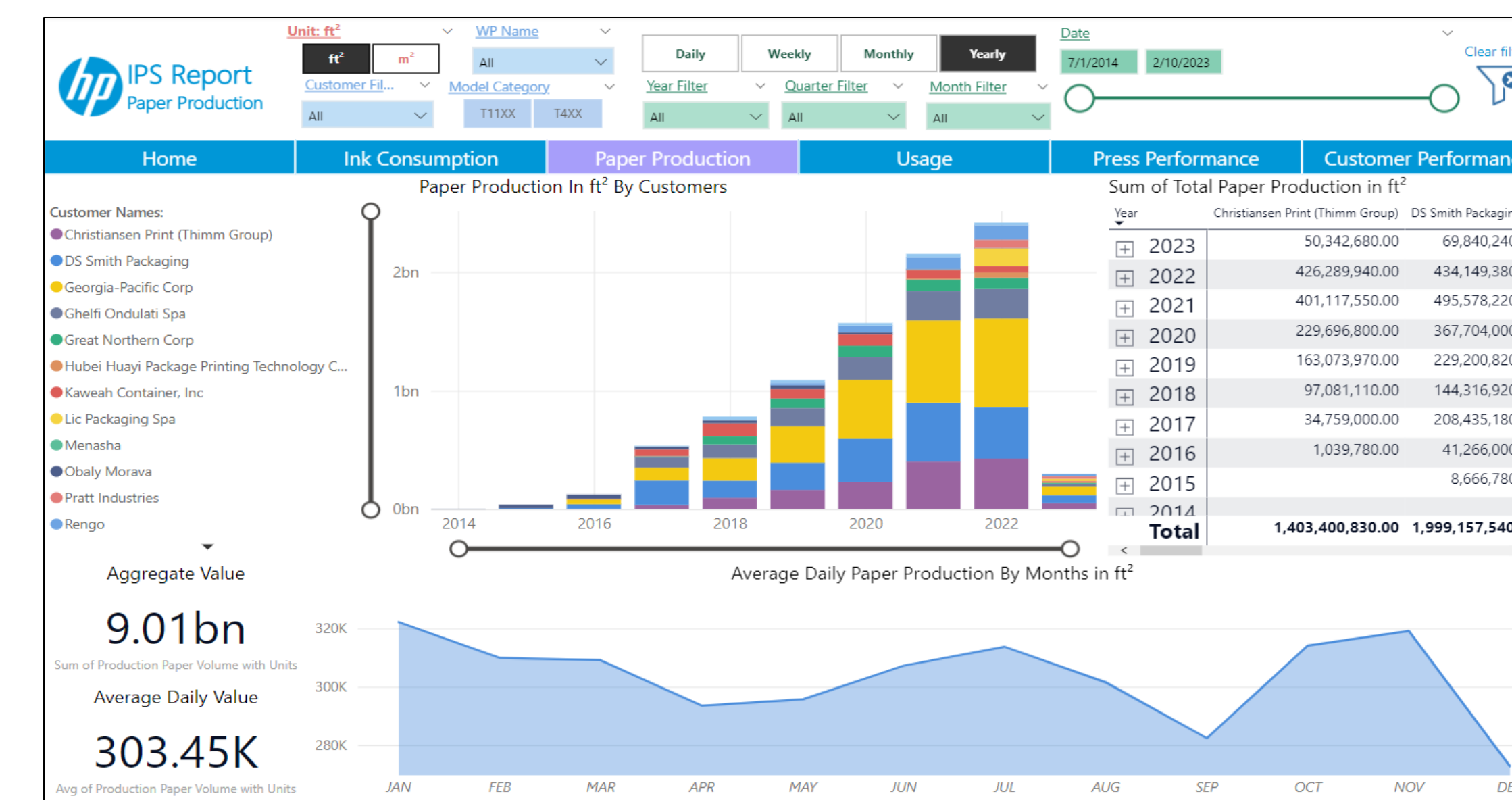
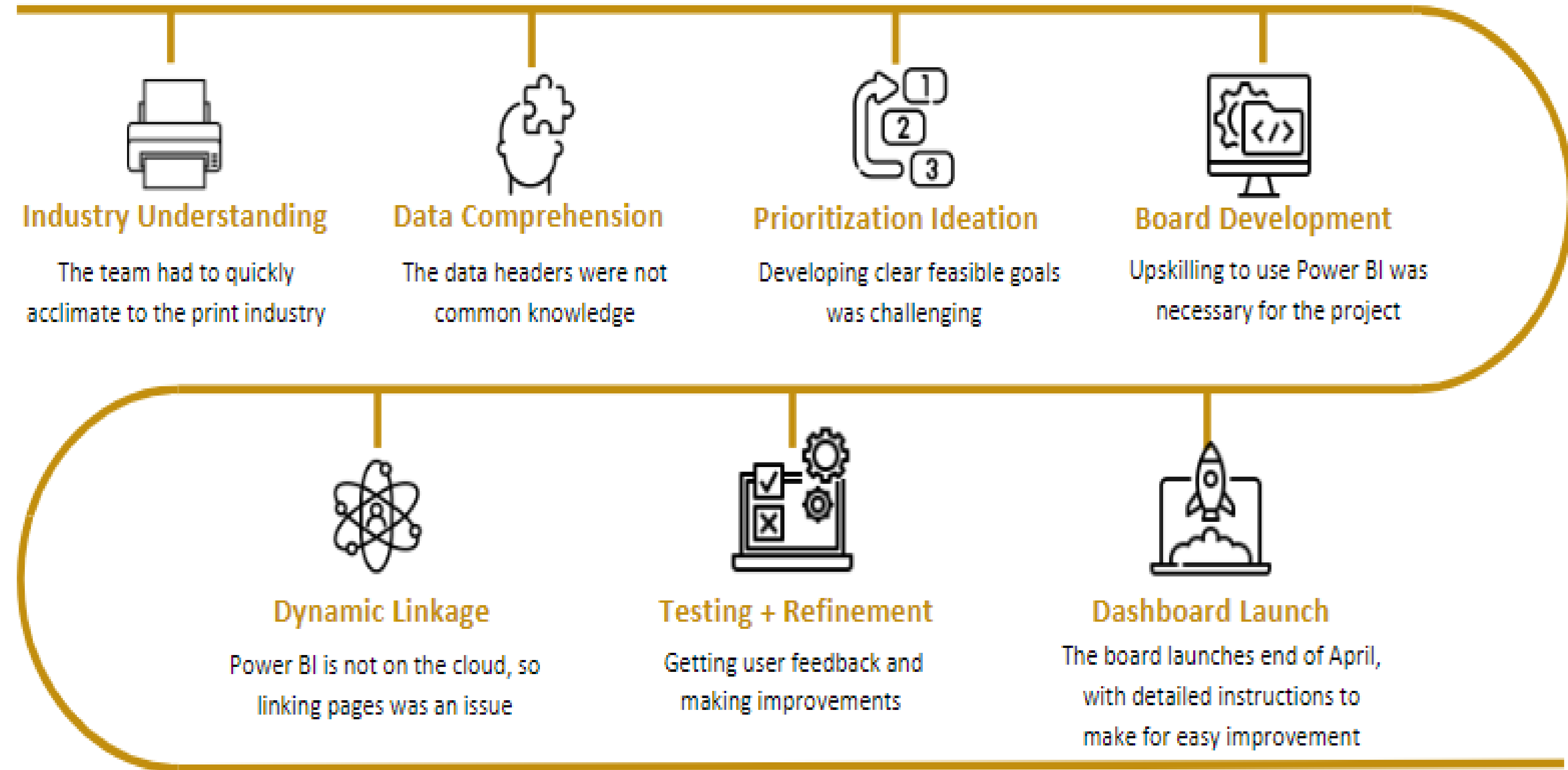
## Problem Statement

HP has many Key Performance Indicators (KPIs) that have been used to evaluate the performance of its presses. The team needs to make a dashboard that will give users and customers a complete view of both overall customer and press status. The flow and design of the dashboards are the main concern, as HP is looking for Power BI solutions that allow a wide range of users to swiftly access and compare aggregated data concerning a variety of press metrics.

## System Model & Results

The selected system model groups KPIs and data by respective metric category. The five categories are ink consumption, paper production, usage, press performance, and customer performance, tied together by a splash page. Data filters are consistent across all dashboards along with a color scheme and overall theme designed to be visually appealing to HP.

## Methodology



## Discussion

The team visualized numerous metrics that requires dynamic statistics and complex filtering by date, model, customer, and unit of measurement. In total, five dashboards with were created that are each accessible from the home splash page. These separate dashboards and they data they contain cater to three types of users at HP – generalist, specialist, and opportunistic. Both big picture and highly specified metrics can be viewed. The team was also able to gain an extensive understanding of the print industry, working with clients to develop project requirements, Power BI skills, and self – directed project management and communication. With additional time, the dashboard can be expanded to include more calculated metrics reflecting industry trends, such as tracking sustainability metrics.