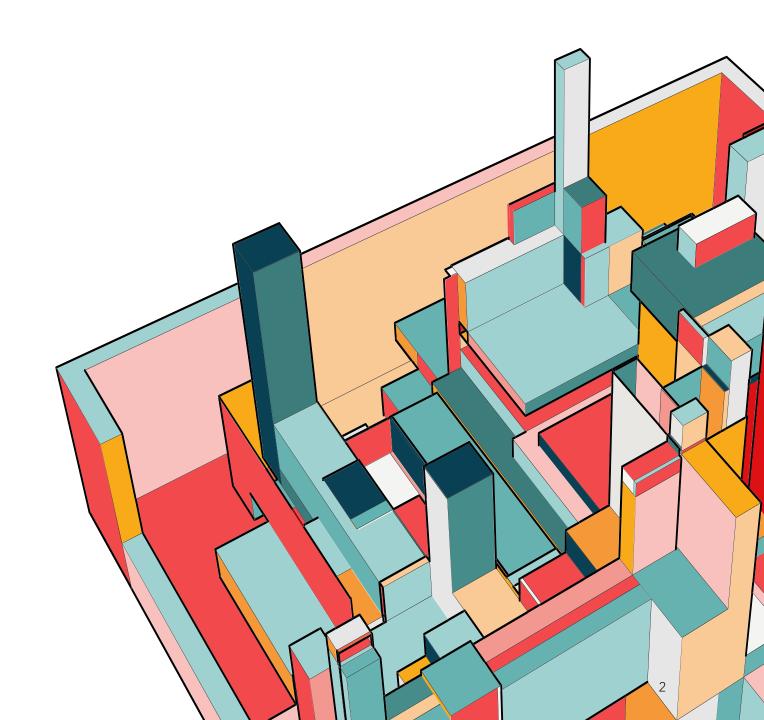


OVERVIEW

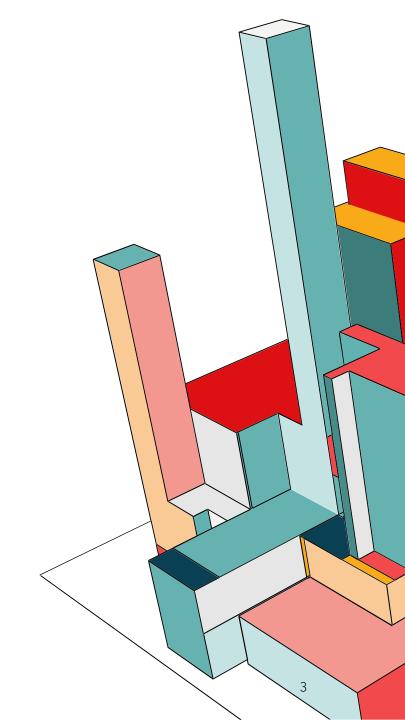


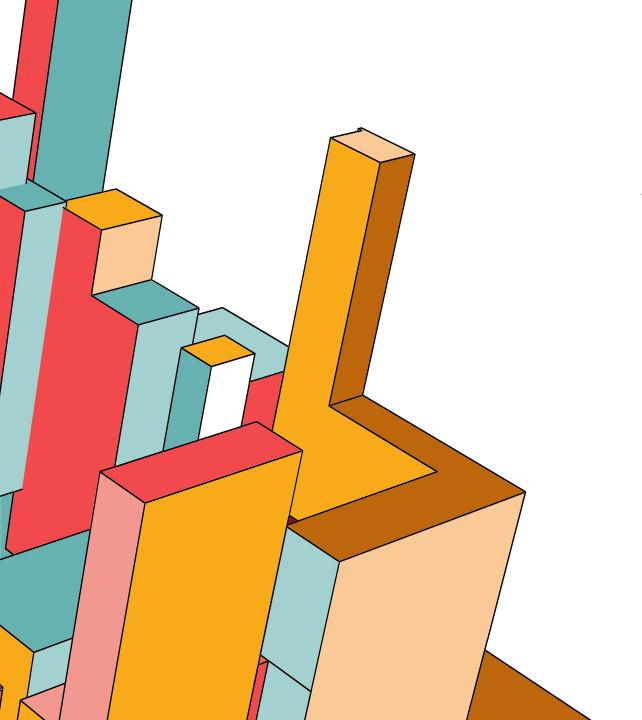
PROBLEM

AtliQ Mart is currently facing a problem where several important clients of AtliQ Mart chose not to renew their annual contracts because of service problems.

Some of the key products may not have been supplied on schedule or in full over an extended period of time, which may have led to poor customer service.

In order to quickly address this problem before expanding to additional locations, management asked their supply chain analytics team to track the "On time" and "In Full" delivery service levels for all clients on a daily basis.

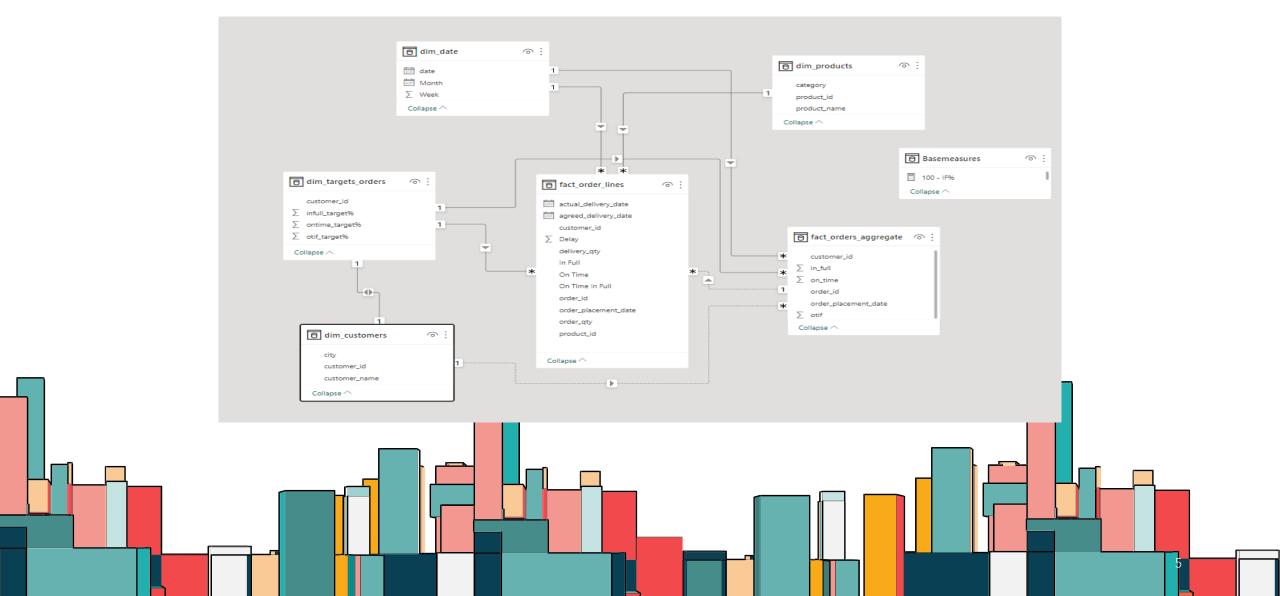




SOLUTION

This Dashboard compare the daily percentages of customer orders that are delivered on-time, in-full, and on-time in full (OTIF) against the goal service level set for each customer by city and products with targets

DATA MODEL



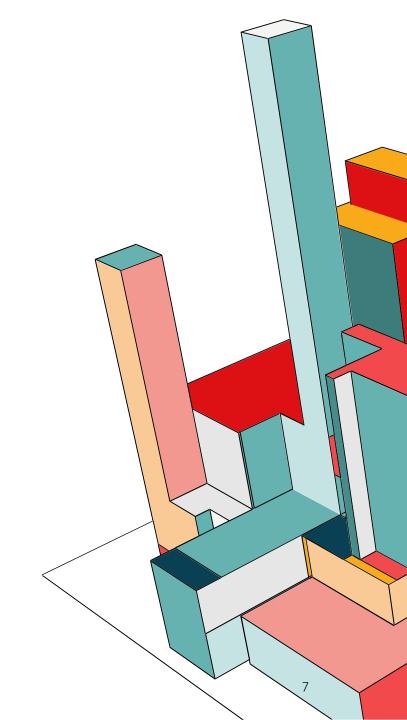
KEY METRICS

Key Metrics

- Orders and Lines
- Measuring Line Fill Rate & Volume Fill Rate
- Measuring On Time delivery %
- Measuring In Full delivery %
- Measuring On Time In Full (OTIF) %

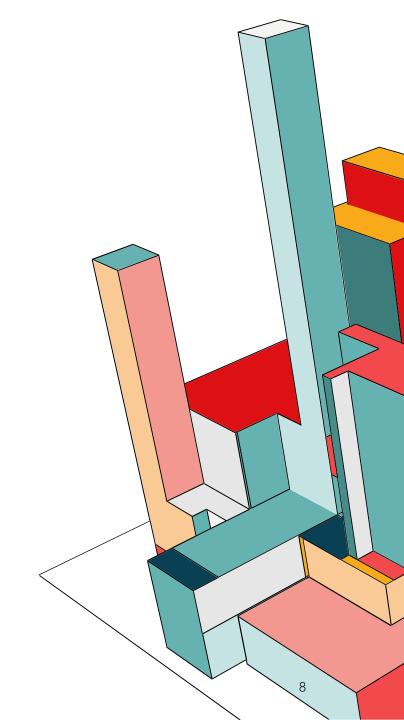
REQUIREMENTS

- Key Metrics for each Month and Day
- Key metrics change by previous month and day
- Key metrics with respect to their targets
- Key metrics by customers table
- Key metrics with the targets with their targets
- Total orders and total quantity metrics
- Delayed orders and Undelivered orders
- Total orders, delayed orders with average delayed time
- Key metrics by products table and spark line
- Key metrics trend over time period



```
1. In Full % =
    DIVIDE(SUM(fact_orders_aggregate[in_full]),
    [Total Orders])
```

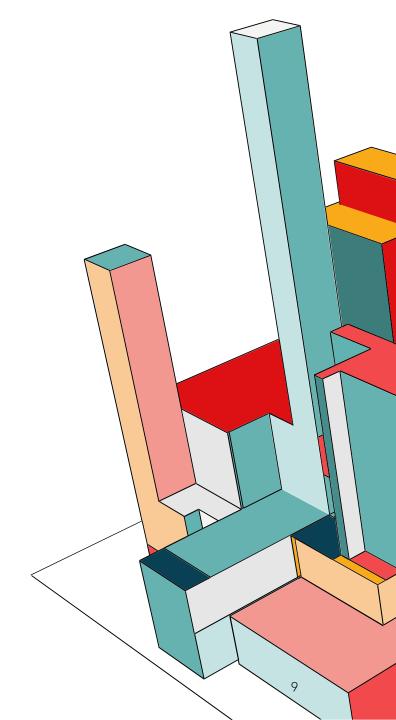
- 2. On Time % =
 DIVIDE(SUM(fact_orders_aggregate[on_time]),
 [Total Orders])
- 3. On Time In Full % =
 DIVIDE(SUM(fact_orders_aggregate[otif]),[To
 tal Orders])
- 4. Volume Fill Rate % =
 DIVIDE(SUM(fact_order_lines[delivery_qty]),
 (SUM(fact_order_lines[order_qty])))
- 5. Total Orders =
 COUNT(fact_orders_aggregate[order_id])
- 6. Total Order Lines =
 COUNT(fact_order_lines[order_id])



```
7. Delay Card = "The Average Delay was " & FORMAT([Avg. Delay], "0") & " Hours for " & FORMAT([Delayed Orders], "0,.0K") & " Delayed Orders"

8. Line Fill Rate % = DIVIDE((SUM(fact_order_lines[In Full])), [Total Order Lines])

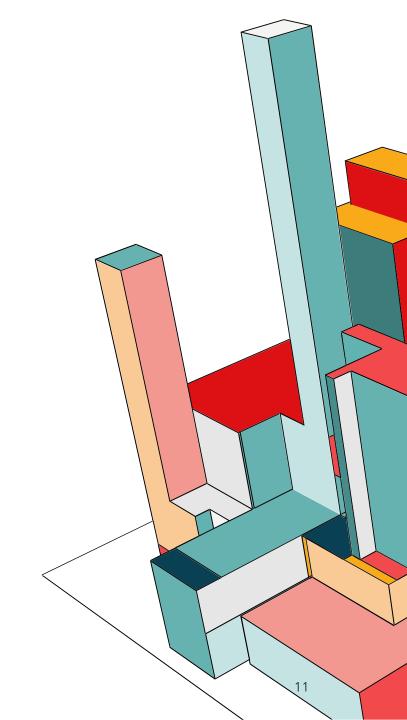
9. IF% DOD Icon =
```

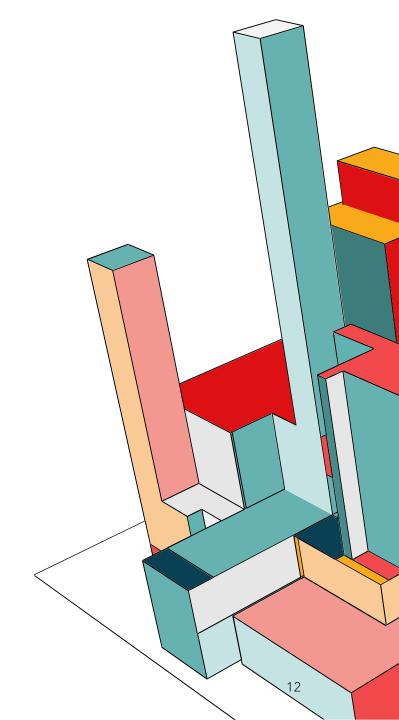


```
10. Delayed Orders = [Total Orders] - [Total On Deliveries]
                                                                   Time
11. DoD IF% Growth = [In Full %] - [PreviousDay InFull%]
12. IF Target card = "Target " & FORMAT([In Target],"0.00%")
                                                                   Full
13. IF% Kpi DOD Card = FORMAT([DoD IF% Growth],"0.000%") & " Vs. PD"
14. IF% Kpi MOM Card = FORMAT([MoM IF% growth],"0.000%") & "
Vs. PM"
15. IF% MOM Icon =
         VAR IconPositive = UNICHAR(8593)
VAR IconNegative = UNICHAR(8595)
VAR Result =
         IF([MoM IF% growth] > 0 ,IconPositive,IconNegative)
         Return
         Result
```

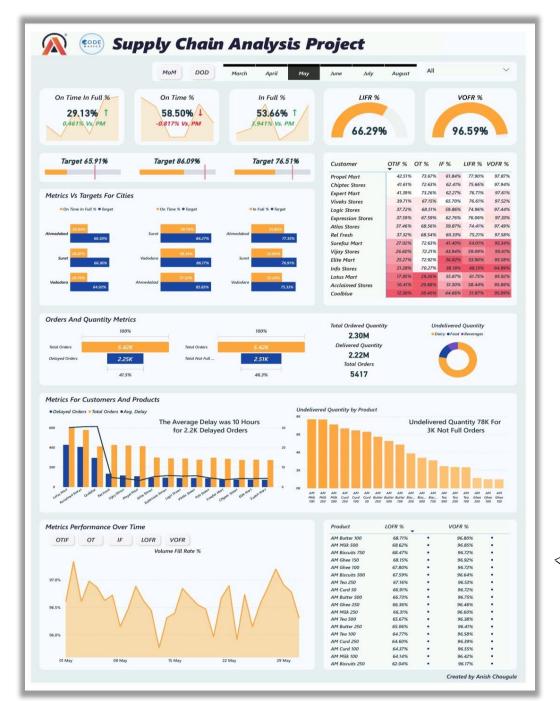
- 16. Previous Month InFull% = CALCULATE([In Full
 %],PREVIOUSDAY(dim_date[date].[Date]))

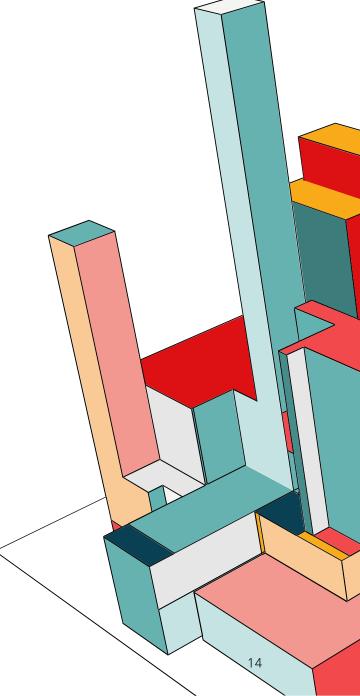
- 19. OTIF DOD Kpi Card = FORMAT([DOD OTIF% Growth],"0.000%")
 & " Vs. PD"
- 20. OTIF MOM Kpi Card = FORMAT([MoM OTIF% Growth],"0.000%")
 & "Vs." & "PM"

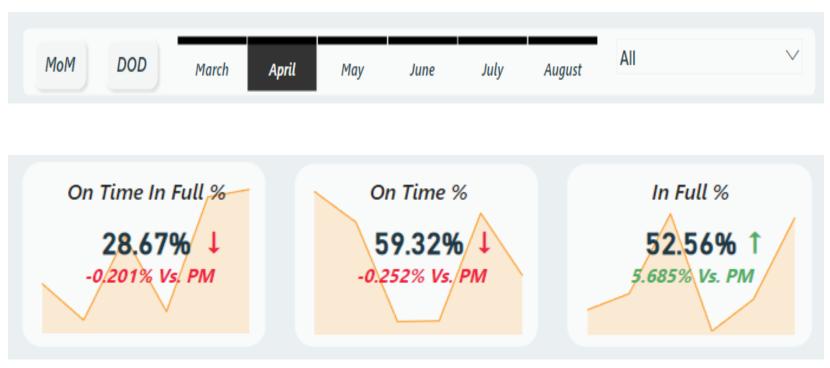


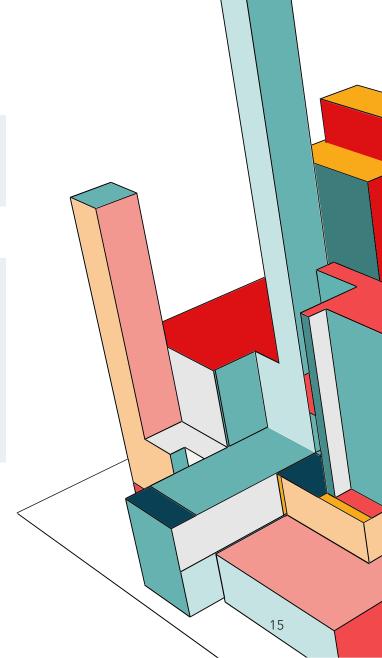


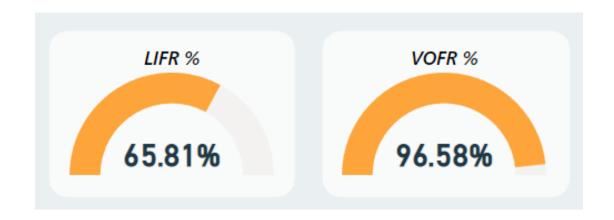
```
25. OTIF Target card = "Target " & FORMAT([On Time In Full Target],"0.00%")
26. Total OTIF Deliveries = SUM(fact_orders_aggregate[otif])
27. OTIF MOM Kpi Card = FORMAT([MoM OTIF% Growth],"0.000%")
& " Vs. " & "PM"
28. OTIF DOD Kpi Card = FORMAT([DOD OTIF% Growth],"0.000%")
& " Vs. PD"
29. OTIF% DOD Icon =
        VAR IconPositive = UNICHAR(8593)
VAR IconNegative = UNICHAR(8595)
VAR Result =
             DOD OTIF% Growth] > 0 ,IconPositive,IconNegative)
         Result
30. On Time In Full Target =
        AVERAGE(dim targets orders[otif target%])
```



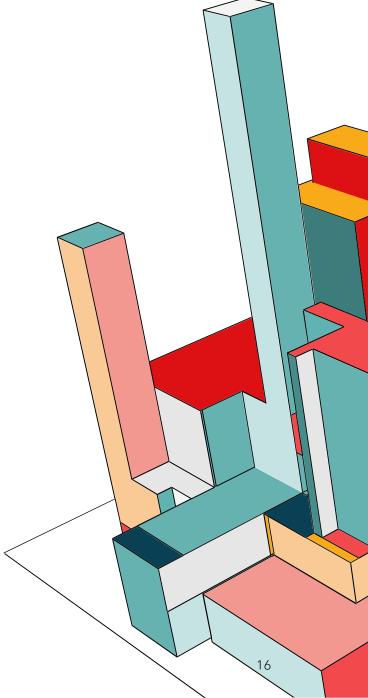


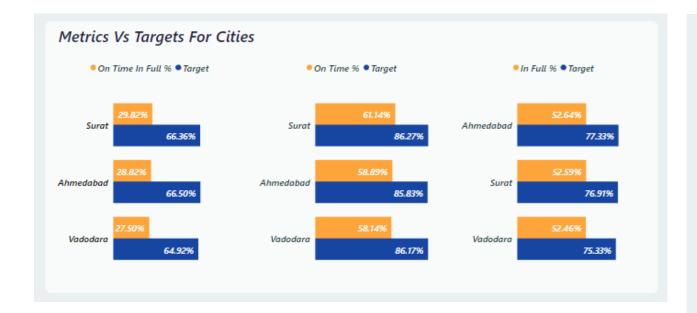


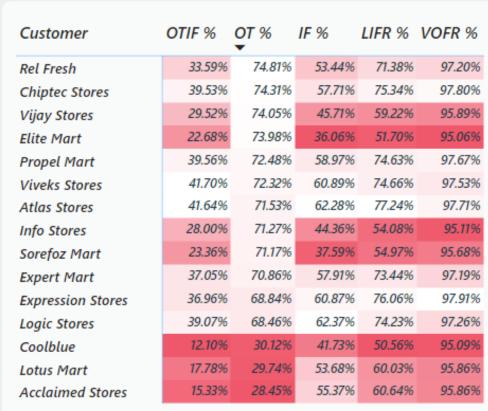


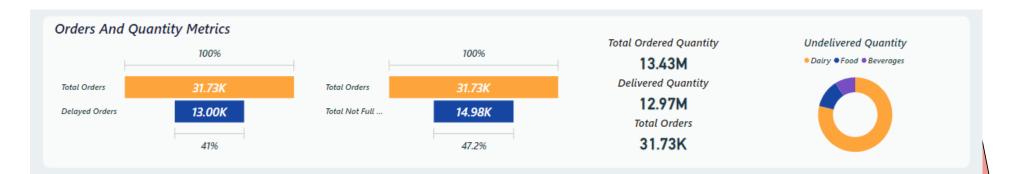




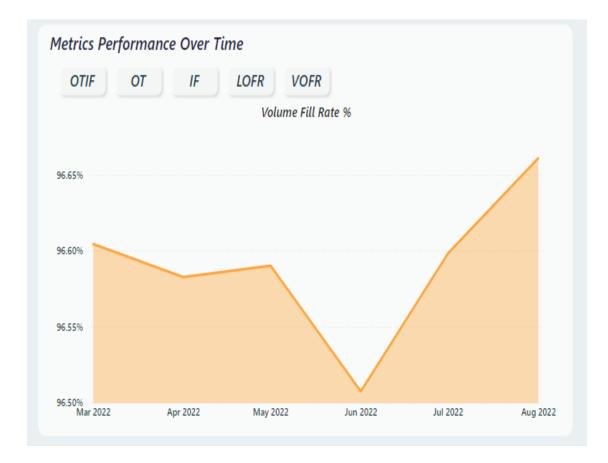




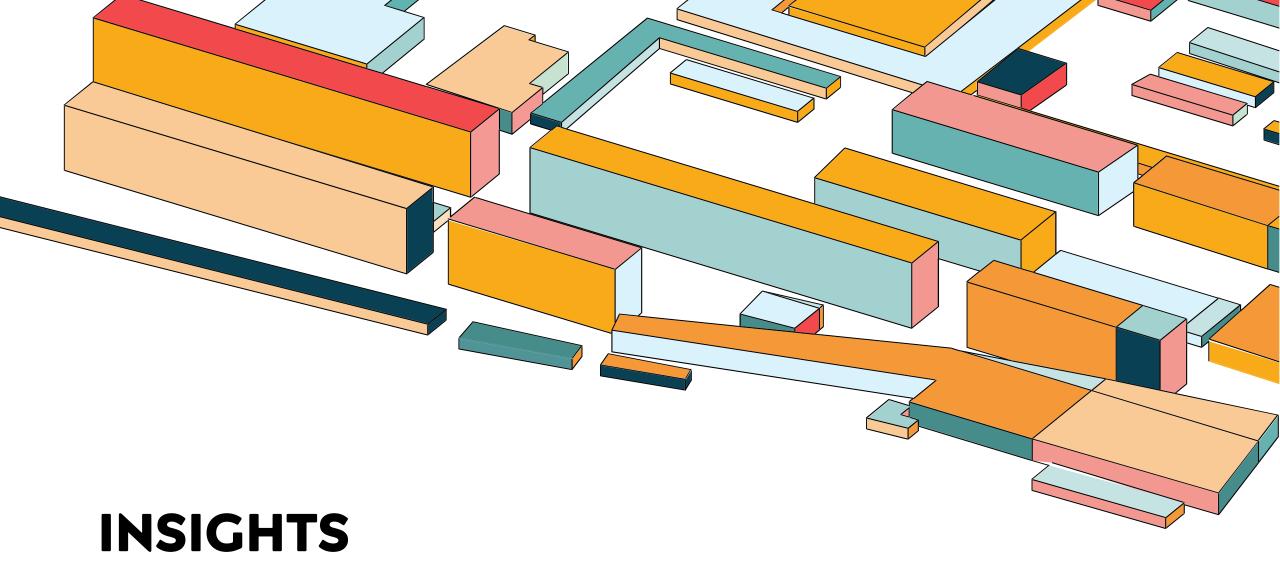












- Surat has a lower In full% than Ahmedabad but has a 30% OTIF rate. Out of 9.7k orders, 3.7k are delayed orders and 4.6k were incomplete orders. Acclaimed stores, info stores, and Lotus Mart were the customers who performed very low on key metrics in Surat. OTIF levels of 9% and 6% for info stores and acclaimed stores need critical attention.
- Ahmedabad accounted for 11k orders and has a 29% OTIF with a greater In Full rate than other cities. In terms of critical metrics, Lotus Mart, Sorefoz Mart, Acclaimed Stores, and Coolblue were the customers for performed very low in Ahmedabad. OTIF levels of 10% and 7% for Lotus Mart and Sorefoz Mart need critical attention.
- Vadodara has 27% OTIF deliveries and performs worse than other cities. Coolblue, Elite Mart, Vijay Stores, Lotus Mart, and Acclaimed Stores were the customers who had very low levels for important metrics. OTIF levels of 10%, 9%, and 7%, for Coolblue, Elite Mart, and Vijay Stores need critical attention.

- The key customers, who account for 50% of the orders, are Lotus Mart, Acclaimed Stores, Coolblue, Vijay Stores, Propeller Mart, and Rel Fresh. The customers most likely to not renew their contracts are Lotus Mart, Acclaimed Stores, and Coolblue. Vijay Stores, Propeller Mart, and Rel Fresh are the next most likely to do so. Lotus Mart, Acclaimed Stores, and Coolblue have the lowest Otif%. The average delay for these customers was 30 hours for 6.8k delayed orders out of 9.5k total orders, and 4.6k orders were incomplete out of 9.5k total orders.
- Key performance indicators like On Time In Full, In Full, and On Time don't meet the goals over time.

