

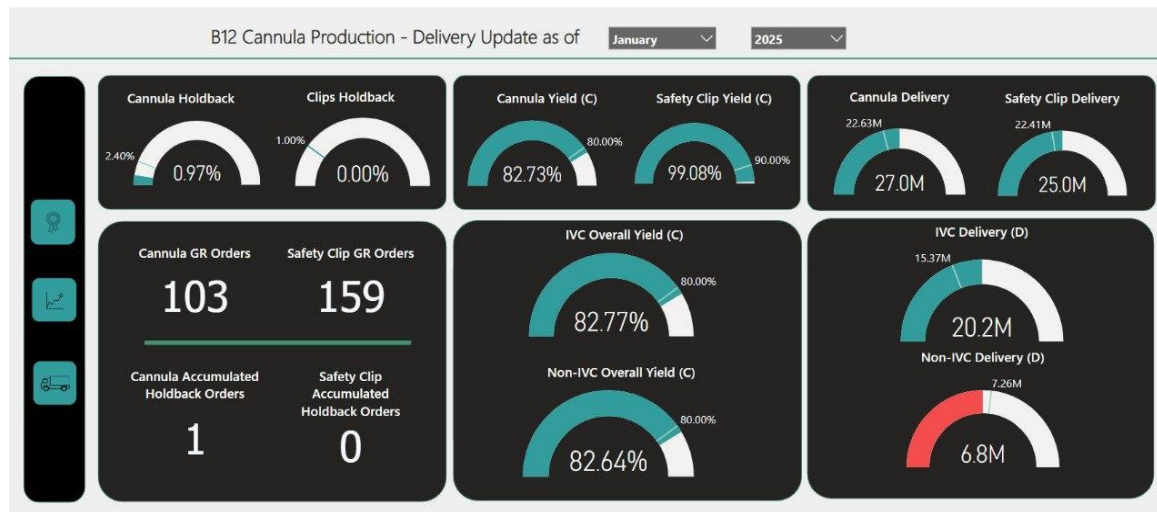
# Power BI Dashboard Portfolio

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# Introduction

This portfolio highlight my expertise in designing and developing Power BI dashboard to provide actionable insights and support data-driven decision-making.



The dashboard displayed above provides insights into **product holdback, yield, and delivery performance metrics**:

- **Holdback:** Represents the volume of non-conformance products released to customers, reflecting the effectiveness of the internal inspection teams.
- **Yield:** Measures the ratio of output versus input, indicating production efficiency.
- **Product Delivery:** Tracks the quantity of products delivered to customers based on demand, reflecting efficiency in planning and management.

The slicer feature allows filtering by month and year for a more focused view of the data. Current month data is presented only up to the latest available date. All data is visualized using gauge charts with conditional formatting:

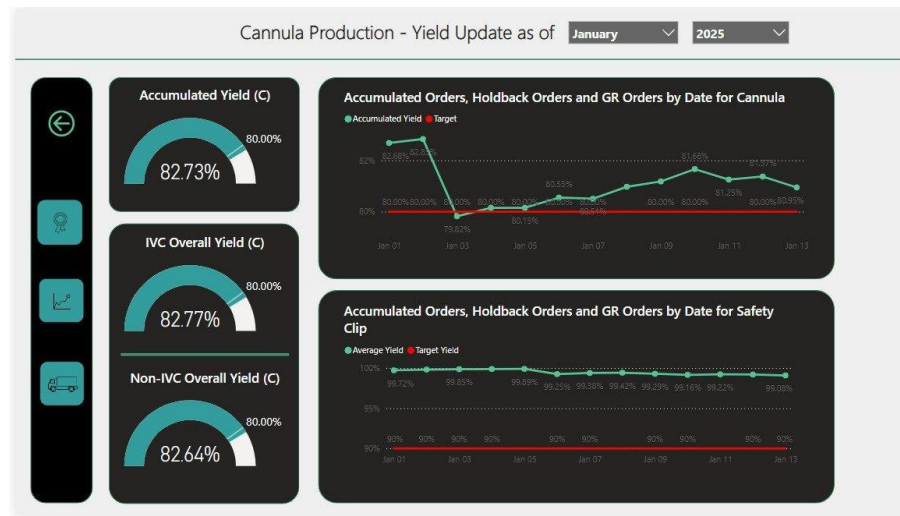
- **Green:** Indicates performance meeting or exceeding targets.
- **Red:** Indicates performance falling below targets.



The second page of the dashboard provides a detailed breakdown of **Quality updates** in the production plant.

- The **line graph** on the right represents the **daily delivered orders**.
- The **bar graph** displays the cumulative delivered orders alongside the holdback orders.

Both graphs are presented in a **time series format**, covering the period from the **first day of the month to the current date** for a comprehensive view of production performance.

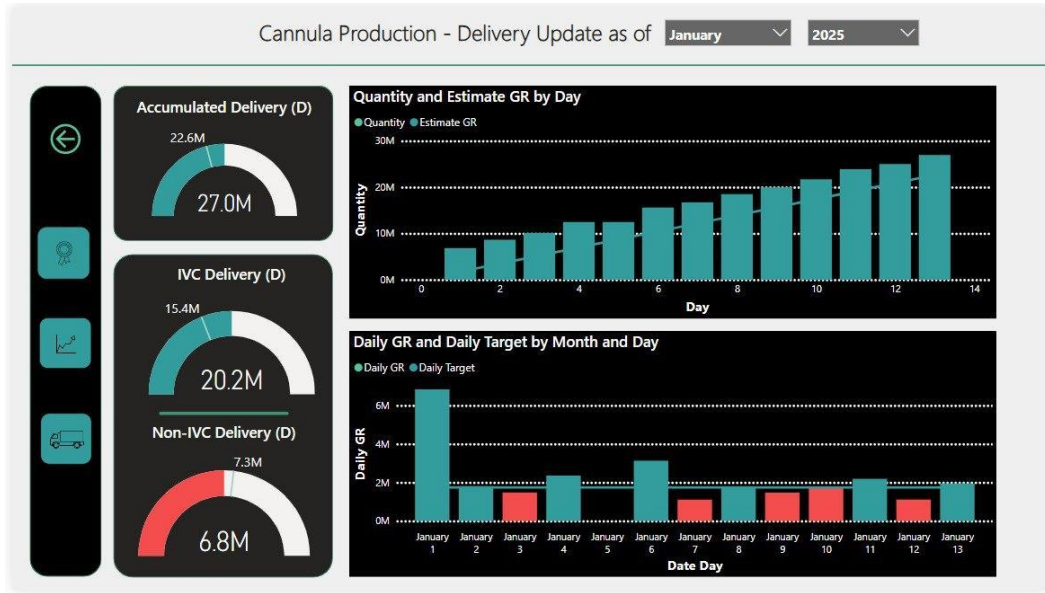


The third page of the dashboard provides a detailed breakdown of **Yield performance** in the production plant.

- The **green** line graph represents the **daily average yield** of delivered orders.
- The **red** line indicates the **management's target** set at 80%.

Both graphs are presented in a **time series format**, tracking performance from the **first day of the month to the current date**.

This visualization offers insights into **production efficiency** by highlighting the ability to minimize waste. If the yield falls below the target, corrective actions are taken to adjust ongoing production batches to ensure the target yield is met by the end of the month.



The fourth page of the dashboard provides a detailed breakdown of delivery performance in the production plant.

- The top bar graph represents the cumulative daily delivery, while the bottom bar graph shows single-day delivery performance.
- Both graphs are presented in a time series format, covering data from the first day of the month to the current date.
- Conditional formatting is applied:
  - **Green:** When delivery meets or exceeds the target.
  - **Red:** When delivery falls below the target.

This visualization offers insights into the **current delivery status** and helps management assess whether the monthly delivery targets, as requested by customers, are on track. If deliveries fall below target, **production planning adjustments** are made to ensure targets are met.

B12 Cannula Production - Daily Yield

**Year**  
2025

**Month**  
January

**Day**  
9


GR DATE	START DATE	ORDER NO	MATERIAL DESCRIPTION	OVERALL YIELD
2025-01-09	2024-11-15	14390436		91.82%
2025-01-09	2024-11-13	14390330		85.95%
2025-01-09	2024-12-24	14390907		85.80%
2025-01-09	2024-12-03	14390399		85.48%
2025-01-09	2024-12-04	14390401		84.29%
2025-01-09	2024-12-09	14390913		73.68%
Total				84.50%

The table on the fifth page of the dashboard displays a list of delivered batches, which can be filtered using the slicer based on the selected date.

Key insights provided include:

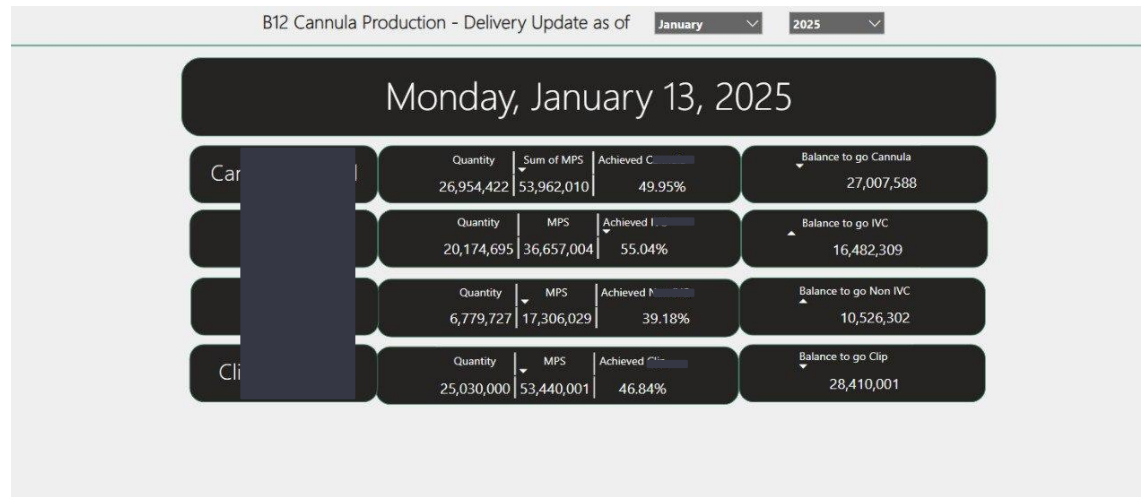
- **Batch Completion Time:** The table allows management to assess the duration taken to complete each batch, as longer lead times can impact profitability.
- **Batch Details:** It provides information on each batch delivered on a given day.
- **Wastage Tracking:** The overall yield column highlights wastage levels, offering visibility into production efficiency.

This data helps management monitor batch performance and make informed decisions to optimize production timelines and reduce waste.

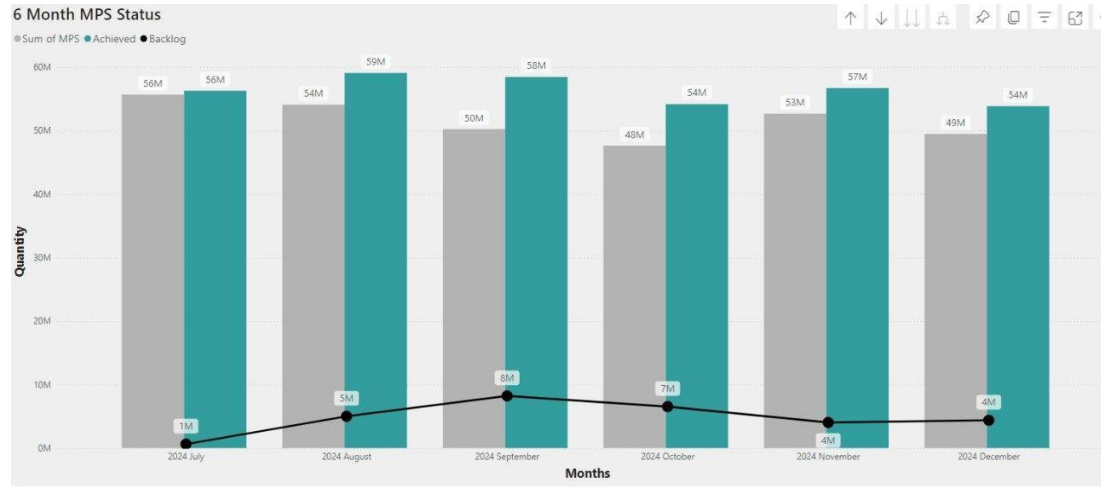
DATE	ORDER NO	MATERIAL	MATERIAL DESCRIPTION	F&W IN QTY	FI OUT QUANTITY	OVERALL YIELD	Reasons
Tuesday, January 07, 2025	14390435			154,545	92,201	59.66%	Process Wastage
Tuesday, January 07, 2025	14391115			93,306	37,317	39.99%	Dented
Thursday, January 09, 2025	14390913			326,668	240,701	73.68%	Blockage
Saturday, January 11, 2025	14390333			511,840	347,306	67.85%	Plug Broken
Saturday, January 11, 2025	14390335			511,840	359,988	70.33%	Inconsistent Slider
Saturday, January 11, 2025	14390931			116,482	82,075	70.46%	Bevel Inconsistent
Sunday, January 12, 2025	14390380			257,006	190,520	74.13%	Inconsistent Slider
Monday, January 13, 2025	14390368			806,738	593,074	73.52%	Breakages
Monday, January 13, 2025	14390371			806,738	580,546	71.96%	Bend
Monday, January 13, 2025	14390441			154,545	109,576	70.90%	Pin Hole
Monday, January 13, 2025	14390448			189,474	139,486	73.62%	Plug Broken

- Table above also feedback by the management for them to see the reasons why certain batch are below target yield set at 75%
- The table shows detailed information such as the amount input from the first process and the output from the last process to compute the yield of the batch.
- Reasons column are the highest reject by process based on SAP systems tagging.
- The reasons column are feedback to process engineers to improve their process so wastage are reduce and does not repeat again.





- Dashboard above displayed the to date data for our manufacturing performance of delivery products to customer.
- The data show insight of how much balance quantity need to be delivered to customer as per to date.
- And also shows how much the percentage achieved as of to date.
- This insight gave sense of urgency for production management to delivered product on time.



- Clustered bar chart above shows past 6 months delivery data to customer in a time series.
- Data above shows insight if we are meeting the target and also if the production are backlog and have to cover up the backlog to the customer.
- If the black line chart are below 0 means production need to cover up stock requested by customer.