

Financial Dashboard — 1-Page Summary

Prepared for: The Finance Group — Case Study Prepared by: Data Analyst (generated outputs) Date: 2025-09-22

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Objective

Create a monthly interactive Power BI dashboard to monitor financial health and KPIs: Revenue, Gross Margin %, EBITDA %, Net Cash, Cash Flow and Receivables aging; allow filtering by date, region, and product category; include drill-downs and waterfall for cash flow.

Data sources (sheets detected)

Data

Key data cleaning steps performed

- Standardized column names and parsed date-like columns to datetime where possible.
- Saved each cleaned sheet as CSV in /mnt/data/cleaned_for_powerbi/ for direct Power BI import.
- Aggregated a monthly P&L (if P&L-like sheet detected) and saved to /mnt/data/cleaned_monthly_pl.csv.

Calculated sample KPIs (latest month)

- **Revenue:** 948171.0
- **Gross Margin %:** 47.33
- **EBITDA %:** 23.93
- **Net Cash (if available):** nan

Assumptions

- Date columns are assumed to represent actual month/date; where missing, first column was used heuristically.
- Monetary columns are numeric; commas or currency symbols are expected to have been cleaned by pandas parsing where possible.
- Receivables/payables aging sheet will be used as-is; further business rule mapping may be required (e.g., buckets).

Power BI Recommendations (high level)

1. Import the cleaned CSV files from `/mnt/data/cleaned_for_powerbi/` and the `cleaned_monthly_pl.csv`.
2. Create a Date table (Mark as Date Table) and relate on YearMonth/Date fields.
3. DAX measures to create:
 - o Total Revenue = `SUM('MonthlyPL'[Revenue])`
 - o Gross Margin % = `DIVIDE(SUM('MonthlyPL'[Revenue]) - SUM('MonthlyPL'[COGS]), SUM('MonthlyPL'[Revenue]))`
 - o EBITDA % = `DIVIDE(SUM('MonthlyPL'[EBITDA]), SUM('MonthlyPL'[Revenue]))`
 - o Net Cash = `SUM('CashFlow'[Net Cash])` or latest nonblank measure
4. Visuals to create:
 - o KPI cards for Revenue, Gross Margin %, EBITDA %, Net Cash
 - o Line chart: Revenue & Gross Profit trend (monthly)
 - o Clustered bar: Product/Service performance (by region)
 - o Waterfall chart: Cash Flow (Inflows -> Outflows -> Net)
 - o Receivables Aging: stacked bar or table with buckets (0-30,31-60,61-90,90+)
 - o Budget vs Actual: column chart with variance %
5. Interactivity: Use slicers for Date (Year/Month), Region, Product Category. Add drillthrough pages for month -> category detail.

Deliverables created

- Cleaned CSV files: saved in `/mnt/data/cleaned_for_powerbi/`
- Aggregated monthly P&L CSV: `/mnt/data/cleaned_monthly_pl.csv` (if created)
- This 1-page summary: `/mnt/data/Financial_Dashboard_Summary.md`

Next steps (suggested)

- Review cleaned files to confirm column mappings (e.g., Revenue column name).
- Confirm aging bucket definitions and business rules for budget vs actuals.
- Build the PBIX in Power BI Desktop using recommended measures.