



Weekly Progress Report

Mining Laboratory Operations Intelligence Platform

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Report Information

Client:	Generic Mining Laboratory
Project:	Mining Laboratory Operations Intelligence Platform
Reporting Period:	Week 2 – Data Modeling and Dashboard Development
Prepared By:	Christian S. Calvo, Strantell LLC
Client Contact:	Laboratory Operations Manager
Report Date:	June 23, 2026

Executive Summary

This week, Strantell completed the data preparation phase, developed the analytical data model, and initiated executive dashboard development. Core KPIs have been successfully implemented and preliminary dashboard prototypes are available for review.

Key summary points:

- Completed ETL workflow and analytical dataset creation.
- Implemented star schema and KPI calculations.
- Developed first executive dashboard prototype.

Work Completed This Week

Work Area	Description
Data Collection	Finalized review and cleansing of the source dataset.
Process Review	Confirmed KPI definitions and laboratory business rules.
Analysis	Developed turnaround time calculations, SLA compliance logic, pending sample logic, and re-run metrics.
Dashboard / Reporting	Created executive summary dashboard including KPI cards, trend analysis, operational filters, and compliance monitoring visuals.
Client Communication	Reviewed dashboard prototype requirements and validated metric definitions.

Key Findings to Date

#	Finding	Business Relevance
1	Sample volumes fluctuate significantly throughout the reporting period.	Daily workload balancing may improve operational efficiency.
2	SLA compliance performance varies between sample categories.	Certain workflows may require additional review.
3	Re-run activity represents measurable hidden workload.	Quality-related workload should be monitored continuously.

Deliverables Produced

Deliverable	Status	Notes
Cleaned Analytical Dataset	Complete	Raw laboratory data cleaned and prepared for Power BI reporting.
Star Schema Data Model	Complete	Fact and dimension tables prepared for analytical modeling.
KPI Definitions Document	Complete	Core calculations and business rules documented.
Executive Dashboard Prototype	Complete	Initial Power BI dashboard prepared for review.

Project Status

Overall Status:	On Track
Timeline Status:	On Schedule
Data Availability:	Sufficient
Client Support Needed:	Minor
Budget / Hours Status:	Within Plan

Issues, Risks, and Blockers

Issue / Risk	Impact	Recommended Action
Additional KPI requests may affect timeline	Low impact	Prioritize executive metrics first.
Dashboard design revisions expected	Low impact	Allocate review cycle.
Need validation of SLA business rules	Medium impact	Obtain client confirmation.

Decisions Needed from Client

Decision Needed	Owner	Due Date
Approve dashboard layout.	Client	Week 3
Approve KPI definitions.	Client	Week 3
Confirm executive reporting requirements.	Client	Week 3

Planned Work for Next Week

- Validate dashboard calculations.
- Complete dashboard revisions.
- Develop findings and recommendations.
- Prepare final documentation and presentation materials.

Hours Summary

Activity	Hours
Data review and preparation	4.0
Analysis and modeling	8.0
Dashboard / report development	10.0
Client meetings and communication	2.0
Documentation	3.0
Total Hours This Period	27.0

Additional Notes

Week 2 converted the engagement from discovery into functional business intelligence development. The project now has a cleaned dataset, analytical model, defined KPIs, and dashboard prototype. The next phase will focus on validation, revision, final recommendations, and handoff.