

Finance Workflow Automation

Automating P&L Reporting for a US Fiber-Optic Telecommunications Provider

InfoVision delivered an AI-powered Finance Automation Platform for a leading US fiber-optic telecommunications provider, replacing a fully manual, Excel-dependent monthly P&L process with a governed, automated web application. The engagement showcases InfoVision's ability to embed AI natively in the development lifecycle. The result: thousands of GL rows processed automatically each month, **zero manual spreadsheet operations**, and full audit traceability, transforming a slow, error-prone finance workflow into a reliable, scalable reporting platform.

About the Customer

The customer is an American telecommunications company operating a high-speed fiber-optic broadband network across the Pacific Northwest. Its finance team manages a complex multi-segment General Ledger (GL) structure that feeds monthly Profit & Loss reporting across the organization.

Business Challenge

Each month, the finance team produced P&L reports by manually extracting Trial Balance data from the Infinium GL system, trimming account codes, running VLOOKUPS, and refreshing pivot tables. The process had become operationally unsustainable:

Time-consuming: significant analyst hours were consumed each reporting cycle with no automation

Unauditable: no versioning, change tracking, or accountability trail existed for any mapping decisions

Error-prone: manual data handling across thousands of GL rows with no systematic validation

Structurally fragile: 99 new GL codes were added every month, requiring Excel reports to be rebuilt from scratch each cycle

The business needed a scalable, automated, and auditable solution that could eliminate manual dependency and give the finance leadership real-time visibility into P&L performance.

InfoVision's Solution

InfoVision designed and delivered a purpose-built Finance Automation Platform. This platform comprised a full-stack web application that automated the end-to-end P&L generation process, replacing Excel entirely and introducing enterprise-grade governance. The platform was built across five core components:



Trial Balance Rollup Engine

A two-layer automated ingestion pipeline processing

15,000 to 16,000

GL rows per month.

It parses account codes across six segments and classifies them against 15,646 entries into a six-level financial hierarchy, replacing all manual VLOOKUP-based mapping.



P&L Computation Engine

Programmatic computation of Gross Profit, EBITDA, EBIT, and Net Income directly from Trial Balance data, delivered through an interactive web-based P&L system with drill-down capability and one-click Excel export.



Fallout Queue Management

Automated identification and prioritization of unmapped GL accounts, sorted by financial frequency, allowing the finance team to resolve gaps without developer involvement.



Admin and Audit Framework

A self-service admin console for managing GL code additions and Revenue/OpEx mappings, with full change versioning (user, timestamp, before and after values) and role-based access control across Admin, Finance User, and Read-Only roles.



SSO-Enabled Web Application

A secure enterprise web interface with Single Sign-On via corporate Identity Provider using JWT RS256 token authentication, replacing spreadsheet workflows with a governed, accessible platform.

Business Impact

The platform delivered measurable operational and financial impact across the client's reporting function:

Operational Efficiency

- ✓ Eliminated the multi-step manual Excel process from the monthly reporting cycle entirely
- ✓ Self-service admin console removed dependency on developers for all GL maintenance tasks
- ✓ Fallout Queue prioritization significantly reduced time spent resolving unmapped accounts

Financial Accuracy and Governance

- ✓ Automated computation of all P&L KPIs
- ✓ Full change versioning with user, timestamp, and before/after audit trail for every mapping decision
- ✓ Consistent, repeatable P&L output with no manual reformatting or reconciliation risk

Scalability

- ✓ Platform absorbs 99+ new GL codes added each month without requiring any report rebuilding
- ✓ Six-level financial hierarchy classification supports the client's complex multi-segment P&L structure
- ✓ Architecture designed to scale with growing GL complexity over time

Finance Leadership Visibility

- ✓ Web-based P&L dashboard with interactive drilldowns replaces static monthly report delivery
- ✓ One-click Excel export supports downstream stakeholder distribution
- ✓ Real-time access eliminates the wait-for-report cycle for finance leadership

Why InfoVision

InfoVision combined deep ERP integration experience, full-stack engineering capability, and an AI-accelerated delivery model to transform a process that had long been accepted as a manual burden. Claude AI was embedded natively into the development lifecycle enabling a lean team to deliver a production-grade enterprise platform with speed and precision.