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APPROACH

Audit
Logistics
Supply chain
ERP
Scheduling
Temetry
SAP

CASE STUDY

Tracing Fraudulent Activities within a Multinational Logistics Company

Using data modeling to successfully extract, transform, analyze and then correlate millions of data points. Systematically model data to enable a reconciliation between telemetry data and actual client billing.

Shareholders of a large logistics company required a detailed audit of a companies systems and data to validate a number of concerns raised by whistleblowers.

The preamble of this audit was that no help would be provided by company staff and the data audit team needed to have sufficient understanding of the business processes and toolsets common in the logistics industry (ERP, Scheduling, Temetry).

Problem

- A key issue on this project was that the client architecture consisted of 3 completely disparate systems. The finance system (SAP Business One) had no logical connection to the activities in the inhouse trip booking system (SQL). Finally – the data residing in telemetry history tables was disparate and had no logical connection to that of the trip booking or finance system.
- The project revealed 15 valid audit points that were material in nature and were tabled for follow-up and investigation

Solution

A once-off data extract was conducted from all three source systems (SAP Business One, Bookings, Telemetry). Due to the number of tables in SAP a list of tables relevant to the audit was determined and then used to reduce extraction time.

The raw tables were scripted and transformed into problem specific data models to answer specific audit questions. Examples of the types of models created include Sales & Invoicing, Movements, Income Statement and Balance Sheet.

Outputs of the models depended on the problem set but this included movement maps, pivoted reconciliations, heatmaps and change movement charts.

Stakeholders

Shareholders and the Board of Directors

Stakeholders aims

The client was trying to obtain confidence in the business processes and wanted to ensure that full revenue recognition was taking place.

Result

A detailed forensic report was compiled with detailed examples and data extracts from the source tables to demonstrate this. The report identified several anomalies and also recommended steps to enhance the overall data flow and integrity in the business.

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About Pomerol

We create and deliver meaningful Data-Driven Business Focused Solutions & Services. We've been operating in Data Analytics and Intelligence Reporting for over 6 years within Pomerol and our Partners have a cumulative 100 years in Global Experience. Pomerol partners with our clients to optimise the intersect between changing business demands, technological progress and sustainable business growth.

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