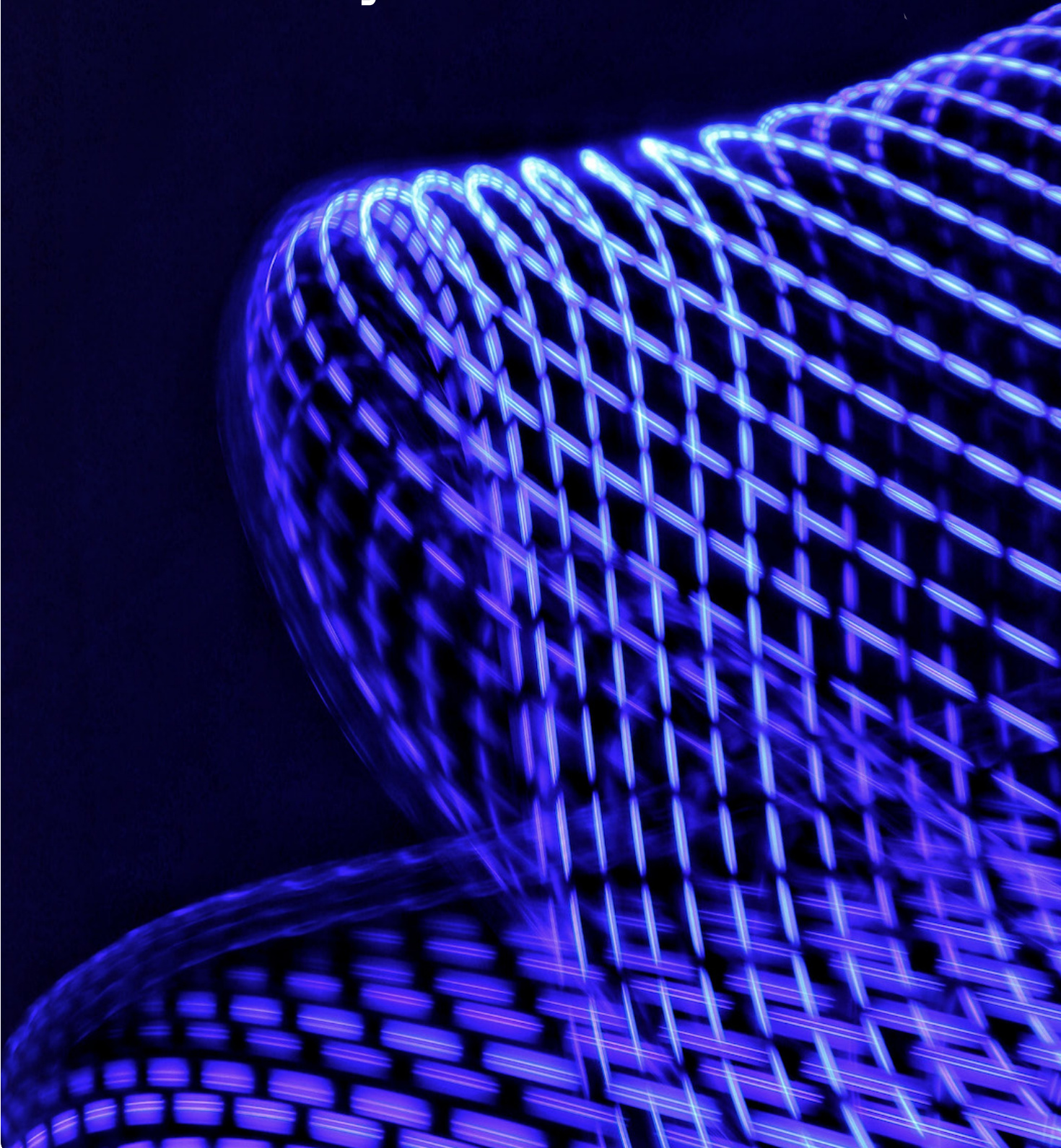# Alteryx-led small parcel bid analyzer tool

Introduction

Although manual bid management was the right way to do business a few decades back, in today's era technology has overtaken this aspect by enabling tech-savy businesses to seamlessly process the bid management cycles. HCLTech has developed an Alteryx based solution to help supply chain driven clients improve their procurement process by automating critical aspects of the bid management process.

About the solution

HCLTech used Alteryx to develop the bid analytics solution, because of the rich collection of user friendly features and data handling capabilities associated with the tool. The key aspects of the solution include:

1. A standard data ingestion template for mapping and collating spend data from multiple sources.

2. Performing data quality checks and data enhancements, including analyzing baseline spend.

3. Bid templates for releasing RFPs giving lane level information that vendors would require to bid on.

4. Analyzing responses, calculating savings, and awarding vendors based on advanced scenarios modelling.

5. Integrated Alteryx with Power BI, which allows users to analyze and view savings at a region-scenario-lane combination and other levers, including spend allocation to di erent vendors, lane coverage by different vendors, summary of how they performed at a lane level etc.

Framework

Data layer

Shipment spend data (all regions) from multiple sources	Supplier GRI increase
Sector and distribution center	Additional network changes

Analytics layer

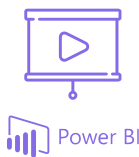| **Data normalisation:** Supplier, OD pair, region service level, package Type, Transit time	**Out of scope rules:** O LH, no bill weight, no/ duplicate tracking number, service level and supplier
Defining weight brackets, currency conversion, baseline revision with GRI	Advanced scenario modelling

Creating RFP template (lane level) consolidating bid response, calculating savings by cost components

FRAMEWORK

Presentation layer

Power BI

Bid Analyzer tool that gives the comparison between baseline and bids spend view, provides savings by awarded suppliers for different scenarios	Offers flexibility in choosing different scenarios and (region domestic/international, OD pair, service levels and lane) combinations to view savings to the granular level

Provides plane coverage view of Bid responses received that gives us opportunity to understand why certain careers didn't respond to certain lanes

Solution highlights

HCLTech has implemented an innovative hiring and training process to guarantee the availability of the industry-best talent for our Kinaxis integration vertical. To ensure that our resources are adequately trained to work on the Kinaxis RapidResponse platform, we have set up an innovative academy in collaboration with Kinaxis. The HCLTech Kinaxis Academy aims to certify employees as Kinaxis experts through internal programs and initiatives, and has the following salient features:

1 **Handling massive data and complex scenario modeling:** Not possible in sourcing tools in current market (like Coupa or Jaggaer, etc).

2 **Reduced workflow run time by 2–3 hours:** Re-engineered Alteryx workflows, making them more efficient.

3 **Flexibility to changes:** RFP templates, scenario definition, network changes, other data enrichment rules can be easily accommodated.

4 **Reusable digital asset:** Alteryx solution can be repurposed to suit new clients.

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