Shaping transport collaboration with Teleroute (Alpega Group)

Based on the advice from ML6, Alpega started working with Kubeflow and Vertex AI, allowing them to significantly speed up the development process by leveraging the training and artifact management features.

The challenge

The clients of Teleroute have to sort through thousands of trip offers daily and they needed a way to highlight the most relevant offers for them. Freight transportation operators have to be able to quickly find profitable offers due to the high competition they face. Therefore, Teleroute was looking to industrialize their models into a production setting with reliable machine learning workflows.

The solution

With the help of managed services of the Google Cloud Platform, Alpega leveraged AI platform notebooks to move their code into ML pipelines. ML6 helped Alpega set up a scalable, cost-efficient architecture on GCP and to apply MLOps practices. Alpega now maintains an AI pipeline that analyzes the entire search history of their clients to display the most relevant information.

The results

Alpega decided to create TelerouteRecommends - a product with live recommendations fed by machine learning. The goal was to have a reliable, scalable, & maintainable architecture that allows to iterate future improvements. The partnership with ML6 resulted in deployment of a recommender system that analyzes millions of data points to provide the best routing recommendations for the carriers.

> **"**"Happy to announce that we now have an important part of the MLOps stack installed and running on our Google Cloud AI Platform. This enables us to more rapidly iterate new versions for our recommendation engine, which ultimately will lead to better recommendations for our platform users. Thanks for your inspiration and input fuelling this evolution!"**"**
> Emmanuel Gob - Product Manager Data for the Marketplace - Alpega Group

About Alpega I Teleroute

Teleroute Freight Exchange is the online platform of Alpega Group, a leading global logistics software company. It connects transport companies with freight providers, enabling freight forwarders to find available truck capacity and transporters to search for loads.
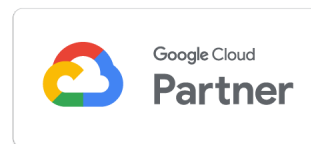
Industry: Logistics

Primary project location: Belgium

About Skyhaus BVBA

ML6 I Accelerating Intelligence - We enable organisations to create business impact with AI

Products

Google Cloud Platform