

INTRODUCTION

This Holding Company offers various services related to travel, business, and government. It is the mother company of various subsidiaries and affiliates with an almost 2,000 strong workforce.

To continue to grow the business, management needed an accurate and timely picture of finance and operations across all their subsidiaries. They needed experts in analytics to modernize their data to give them the visibility they required.

B U S I N E S S P R O B L E M

Up until now, they did not have a system for managing data from all their businesses in one place.

The group wanted consolidated views of the financial position of all their subsidiaries in a single dashboard, where they could see profit and loss, balance statements, etc. at an individual and a full group level. Currently, their businesses executives did not have a clear picture of the business challenges, pain points and wins of all their investments in one place. They were also unable to see level of profit, and how much they would get at the end of the year, without time intensive manual efforts.

COMPANY HIGHLIGHTS

Technologies

Microsoft Data Factory, Azure

Industry

Tourism

Division

Financial, Operations









CHALLENGES

The biggest challenge was to harmonize data from 5-10 companies. As is common with acquired companies, they all did not share the same data source. Additionally, the data quality was not standard across the board.

The acquisitions are varied businesses (such as IT consultancies, airport security, contact centers, corporate cleaning services, etc.) so the data types were varied as well, yet needed to be streamlined.

Lastly, in order to harmonize everything into a single visualization (like the P&L), the executives also had to agree on what they wanted to see on both a consolidated and individual view per company.

SOLUTION AND RESULTS

We created solutions for both Data Engineering and Data Visualizations. Since they did not have previous solutions in place, we built both from scratch. These solutions are in place and being used today.

Solution #1: Data Engineering – We created data engineering ELT pipelines to ingest data from the data sources across the different subsidiaries. These pipelines cleaned up and standardized the data across the firms to create a consistent picture across the whole holding group. A data warehouse provides a single location for data across all the subsidiaries in an analytics ready format for use in data visualizations.

Solution #2: Data Visualizations – We created a single financial and operational dashboard that shows all of their businesses consolidated, or just one at a time. By doing so, they are now able to see how the companies are performing, and if they are achieving their goals.

The dashboard automates the population of financial reports such as profit and loss and balance statements. It also enables historical trend analysis of revenue, costs, and spend vs budget. We created filtering options, so each executive could select the data points important to them, to derive their own unique conclusions focused on what matters most to them.

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