

## How Lighthouse achieved faster data processing

Devoteam G Cloud provided their extensive knowledge of Google G Cloud services and tools to assist Lighthouse in maximising their return on investment and optimising their data processing.

### The challenge

Lighthouse's data is stored across multiple platforms, some in BigQuery and some in their Data Warehouse in Postgres. The Postgres tables are being dumped into BigQuery by a scheduled job. But the Looker dashboards built on this configuration experience slower performance. This has led to some concerns among OTA's Sales, Account Management, and Finance teams.

### The solution

Devoteam G Cloud aimed to implement 2 Proof of Concept projects to solve the issue. First Devoteam conducted a performance audit of the current setup, identifying the components of the dashboards and database causing the slow performance. Second, was a Proof of Concept for a potential migration of data from PostgreSQL to BigQuery to demonstrate the benefits of improved performance and scalability.

### The result

The performance audit identified several dashboards and tables causing performance issues. Devoteam G Cloud then demonstrated potential setups that reduced processing times from up to 25 seconds down to just 6 seconds. The second Proof of Concept showcased a migrated pipeline in BigQuery which resulted in runtimes of just 2.5 minutes where the same Postgres pipeline took up to 50 minutes.

“What OTA Insight valued the most about Devoteam was their ability to provide a comprehensive overview of the tools and pipeline required to develop a new version of their data warehouse. Within OTA Insight this knowledge is scattered throughout different teams, Devoteam's expertise extends beyond specific applications like BigQuery, DBT, or Looker, enabling them to offer a broader perspective.”

Kristof Elst, Lead Solution Architect at OTA Insight



#### About Lighthouse

Since its founding in 2012, Lighthouse (Formerly known as OTA Insights) has provided user-friendly revenue management tools and are the global leader in cloud-based hospitality business intelligence. Since then, Lighthouse has won many industry awards and was named the UK's 17th fastest-growing private technology company by the Sunday Times.

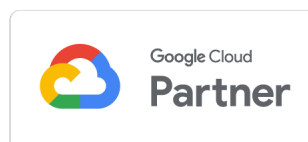
Vertical/horizontal solution: Business & Professional Services

Primary project location: Belgium



#### About Devoteam G Cloud SAS

Devoteam G Cloud is a Google Cloud Premier Partner for over a decade and a Google Cloud Managed Services Provider of 600+ Google certified experts



#### Products

Google Cloud Platform