Building an integrated analysis platform with GWS

Building an integrated analysis environment to overcome data silos, office automation with Google Workspace(GWS), KPI analysis and automatic report creation using Looker Studio(LS)

ECORBIT

The challenge

Ecorbit is a comprehensive environmental company that performs sewage treatment, landfill, and incineration, so the source data was diverse. They wanted to solve the data silo and integrate analysis of the entire data. Cloocus proposed building a platform that integrates and analyzes scattered data with a centralized data warehouse such BigQuery, and Digital Transformation in conjunction with GWS.

The solution

Cloocus proposes an architecture that loads data from various sources(Local PC, On-premise, Cloud) into BigQuery through Cloud Functions as well as Google Sheets and Apps Scripts to store and query local data generated by branches in a standardized form. In addition, LS automated the existing reporting system by visualizing the integrated data to match the KPI.

The result

Ecorbit's GCP-based integrated data pipeline enables data queries within minutes instead of 4 hours. Also, LS is possible to quickly share results among co-worker by improving visualbility. By actively utilizing the existing GWS, data can be viewed and transmitted with just one button, and the burden of additional training was reduced by establishing a work environment similar to the existing one.

> **"** With Cloocus, we were able to organically analyze the data of each branch office by building an integrated analysis environment of distributed data sources. In particular, by automatically visualizing key KPIs with Looker Studio, decision makers' lead time is significantly reduced. So, I think the biggest achievement is being able to make data-driven decisions at the right time. **"**
>
> Junhyun Ahn, Senior Assistant, Ecorbit

About Ecorbit

Ecorbit is the largest comprehensive environmental company in Korea. Currently, we are developing and applying smart environmental technologies such as resource-circulating waste management, water management, resource circulation, new and renewable energy, and materials business based on our accumulated technology, know-how and network.
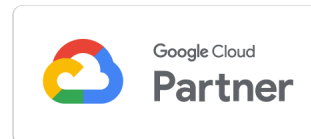
Vertical/horizontal solution: Energy & Utilities

Primary project location: South Korea

Cloocus

About Cloocus

With Google Cloud, Cloocus delivers cloud solutions to meet business needs, helping companies grow and succeed continuously.

Google Cloud Partner

Products

Google Cloud Platform

Google Workspace