energyworx

Provides an SaaS platform that lets utilities and businesses process, manage and mine energy data for actionable intelligence to decrease costs, meet demand more efficiently and create new business models.

The Challenge

Energyworx initially developed its software to run on-premises at customer sites, but managing on-premises at such a massive scale became too expensive. It moved to a public cloud solution to host the platform, but the solution had too much downtime and didn't offer sophisticated data processing and querying capabilities. They knew they needed to find a platform that would allow them to evolve to a serverless architecture.

The Solution

Energyworx turned to Google Cloud Platform to help meet their goals. Energyworx uses Google App Engine to run the Energyworx API which gives its customers access to its platform. That allows Energyworx to instantly scale to meet demand. It also allows Energyworx to charge its customers only for the time they use the API.

Google Cloud Pub/Sub and Google Cloud Dataflow process energy data gathered from customers and send it to Google Cloud Bigtable and Google Cloud BigQuery. Energyworx delivers analytics and machine learning capabilities to gain insights into energy data. For example, a utility company can find out the total amount of electricity customers with solar panels generate between 1 and 2 p.m. on a Monday, and predict their energy generation over several weeks. A corporate customer could uncover the total amount of energy used across its 1,500 facilities on specific days and times. Based on this type of information, utility companies can use Energyworx to better plan for future energy demand and corporations can find ways to save on their electricity use.

Benefits

Can compete with larger competitors because Google Cloud Platform needs fewer resources

Has freed engineers to focus on creating products, not managing infrastructure and platforms

Offers a comprehensive energy data management and intelligence platform for the energy industry

"With Google Cloud Platform, we're able to give our customers the tools they need to gain valuable insights from energy data. They can perform fast queries, only have to pay on a per-use basis and have all the data they need at their fingertips."

Edwin Poot, President
Founder and Chief Visionary Officer, Energyworx

Contact Us

Want more information?
Contact Woolpert at
gm4w@woolpert.com.