Capgemini

Industry: Manufacturing

Location: North America

Technology and services:
Cloud, Insights & Data, engineering, and artificial intelligence

BUILDING A BETTER BUS EXPERIENCE WITH CONNECTED MOBILITY SOLUTIONS

Electric bus manufacturer leverages Capgemini and AWS for fleet-management tools

Challenge:

- A manufacturer of electric buses wanted to provide its customers with a sustainable and reliable fleet-management solution
- The system needed to support its sustainable transit solutions while managing the toughest challenges of hard-working buses
- There was a push to build an intelligent fleet-management solution quickly to help support sustainability goals
- The company lacked the domain knowledge, agile architecture, and experience to build the solution

Solution:

- The company chose a connected mobility solution by Capgemini in collaboration with AWS that allows it to securely connect buses and build new innovative features and applications quickly. It engaged with Capgemini across multiple domains for a complete solution.
- Capgemini provided valuable experience with AWS and engaged a range of services to deliver a complete fleet-management solution. For example, Capgemini Engineering provided a solution for high-volume telemetry ingestion and processing data in near real-time, as well as transformation of the signal network and trouble codes.

- The solution was built in the cloud to allow for next-generation use cases with new driver, passenger, and fleet-management experiences.
- Leveraging the automotive solution on the Digital Cloud Platform (DCP), the company accelerated development and reduced time-to-market.

Result:

- The new solution allows the manufacturer faster time-to-market – from years to months. Real-time data aggregation from an electric bus fleet is possible on the cloud with mobility services.
- The company can now ingest hundreds of thousands of gigabytes of data on the cloud more economically and in real-time.
- The new fleet-management system provides an analytics dashboard to improve operational efficiency. With real-time information, fleet use can be optimized and drive cost savings.
- The cloud-enabled platform allows the manufacturer to easily develop new connected mobility use cases so it can offer its clients better cloud-to-car-to-customer offerings.

To learn more about our connected mobility solutions with AWS, please see:

https://bit.ly/3DxSi8H

About Capgemini

Capgemini is a global leader in partnering with companies to transform and manage their business by harnessing the power of technology. The Group is guided everyday by its purpose of unleashing human energy through technology for an inclusive and sustainable future. It is a responsible and diverse organization of over 340,000 team members in more than 50 countries. With its strong 55-year heritage and deep industry expertise, Capgemini is trusted by its clients to address the entire breadth of their business needs, from strategy and design to operations, fueled by the fast evolving and innovative world of cloud, data, AI, connectivity, software, digital engineering and platforms. The Group reported in 2021 global revenues of €18 billion (about $21 billion USD at 2021 average rate).

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