

# SOFTSERVE WITH GCP BUILDS DATA AND MANAGEMENT PLATFORM FOR C4Ai

SoftServe enabled the deployment and management of a planned smart-taxi program in Greenville, SC. Experts guided CA4i in gathering requirements, architectural and functional scoping, and PoC validation of the platform.

## The challenge

Greenville County was chosen as the pilot site for developing autonomous electric vehicles to provide non-emergency medical transportation to disabled, elderly, low-income, and other transport-disadvantaged individuals. The challenge was proving the feasibility of different approaches while managing the project's planning, execution, validation, and testing.

## The solution

SoftServe's solution was a flexible Google Cloud platform that adapts to new data sources. These data sources included Google Cloud native sources reporting directly to IoT Core, and data sources such as sensors, taxis, and buses that required a non-native adaptation layer. Our experts then used this platform to demo a virtual unimodal and multimodal multi-stop ride system with analytics.

## The results

SoftServe's Google Cloud powered solution quickly validated the feasibility of building the electric vehicles' management platform. Our experts were able to create the architecture and define the technical requirements, limitations, and constraints of the system. We then implemented and tested it in a virtual environment to prepare for a successful real-world roll-out.

With their custom-built solution from SoftServe, CA4i can now maximize Google Cloud's secure, reliable, scalable, and industry-leading native services. Thanks to its layered architecture, CA4i's new platform also provides the project's stakeholders with full control over which services and data ingest they want to use—whether it's cloud-native or external to Google Cloud.



About Carolinas Alliance 4 Innovation

CA4 Innovation is a Carolinas-based consortium of innovative transportation CEOs, research institutions, and government officials. By initiating grants to develop transportation, infrastructure, engineering and education projects, CA4 Innovation is leading mobility research.

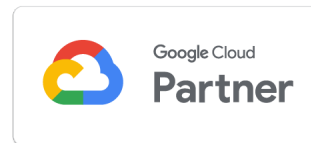
Industry: Other

Primary project location: United States

# softserve

About Softserve Inc.

We are advisors, engineers, and designers who deliver innovation, quality, and speed—elevating and accelerating our clients' digital journeys.



## Products

Google Cloud Platform