

Green Vehicle



GREEN VEHICLE: DRIVER BENEFITS, VEHICLE CAPABILITIES, SUSTAINABLE SERVICES

The vehicle of tomorrow must adapt to the economic and ecological realities of modern consumer and commercial markets. Gasoline prices will maintain their recently achieved heights as many parts of the world continue fast-paced economic growth, which requires increasing amounts of petroleum resources. Electricity will be the dominant alternative fuel in the medium term, and is being pursued aggressively by governments and early adopter market segments. To meet demand, automotive manufacturers and their supply chains will need to incorporate capabilities that help drivers achieve optimized usage of their vehicles and fleets.

Airbiquity's Green Vehicle solutions help an automotive manufacturer deliver services that help its customers achieve improved fuel economy for gasoline-fueled vehicles, and receive maximum benefit from their alternative-fueled vehicles.

For all vehicles, Airbiquity's solutions help drivers understand their driving behavior and vehicle performance relative to fuel consumption. Whether through smart mobile device apps, driver portals, or in-vehicle alerts, helping consumers and companies optimize fuel consumption makes real economic sense. Drivers that understand how they consume fuel tend to optimize their driving and minimize both cost and environmental impact. Automakers can make this a seamless experience and create lasting customer value.

For electric vehicles, Airbiquity's solutions bring to automakers the capabilities to quickly and easily acquaint drivers with their new driving experience. Integrating charging station providers, identifying level-two and DC fast charger locations, checking availability and making reservations can be quickly and easily made available through smart mobile devices, driver portals and in-vehicle systems. By integrating social networks, consumers can compare their efficiency with other drivers locally, nationally and globally. This competitive motivator has proven popular with owners and helps the automotive manufacturer create ongoing value with its customers.

Regardless of fuel type, Airbiquity has the experience and capabilities to help automakers rapidly introduce comprehensive services consumers want, and that create brand value for their customers, their neighbors and society at large. Building a green brand is easy with Airbiquity's Green Vehicle solutions.

GREEN VEHICLE COMPONENTS



SERVICE GATEWAY

AAA, billing, reporting, subscriber management.



EV PROFILE MANAGEMENT

Personal profile of EV performance relative to driver's style and vehicle settings, driver history, vehicle history and energy consumption, and contribution to social and EV communities.



CRM

B2C web portal for EV owner with subscriber management, trip planning, vehicle health and performance, driver efficiency, historic vehicle energy use along with financial and environmental savings.



SMARTPHONE APPLICATION

Mobile interface to manage and control EV functions such as charge management, locate and reserve a charge station, cabin conditioning, door locks, vehicle alarm, locate the car and much more.



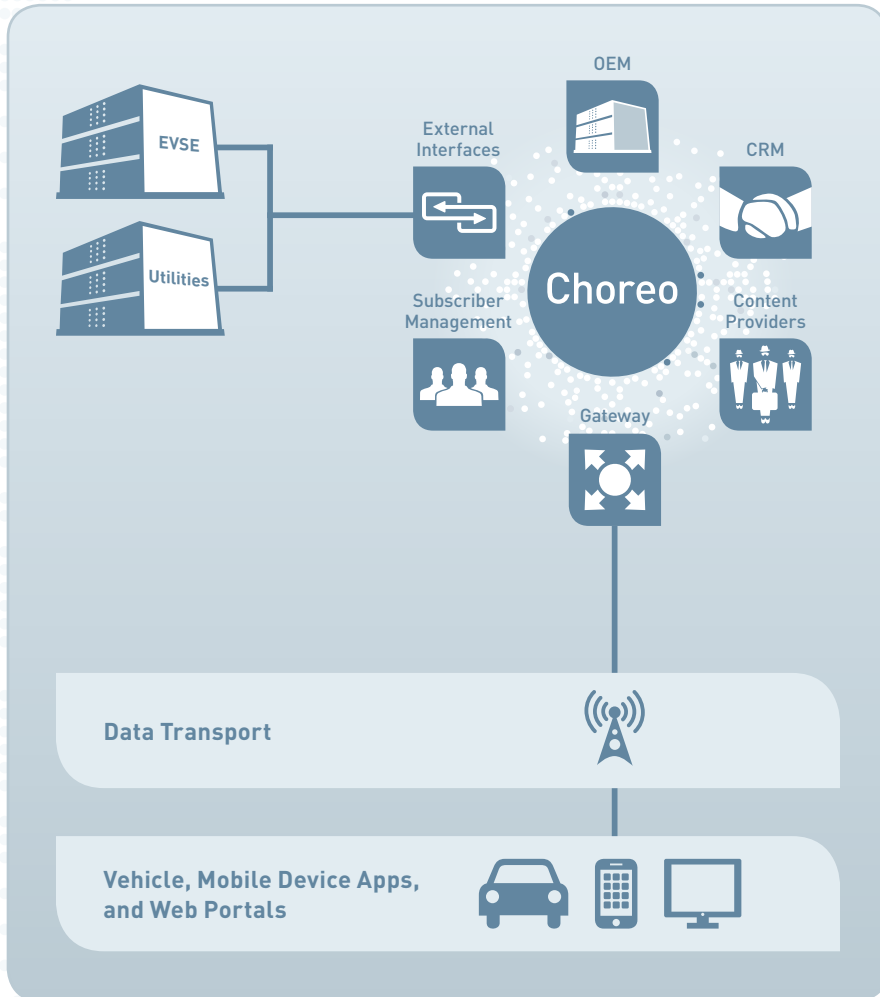
EXTERNAL INTERFACES

Integrate ecosystem platforms from utilities, public charging stations, and home charging units. Enables charging infrastructure locations, availability and reservation for smartphone apps, web portals and in-vehicle systems.



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HOW IT WORKS



ABOUT US

Airbiquity is at the forefront of change in the automotive industry, integrating advances in software, communications technology and wireless services with vehicles. Its connected vehicle solutions offer automakers a flexible platform for delivering innovative applications and services that help automobiles adapt to the driver's digital lifestyle. To learn more about Airbiquity, visit www.airbiquity.com.

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FEATURES

- Smartphone and web portals for remote driver-EV interaction
- Monitor battery condition & charge status
- Customize battery charging times & alerts
- Vehicle health & maintenance information
- Track vehicle usage & energy performance
- Public charging station integration
- Smartphone apps for monitoring driver behavior and recommending changes to improve mileage per gallon/liter or kWh
- Social network integration for comparing EV or ICE vehicle, driver, and fuel performance across communities, countries, and globally
- Manage profiles for multiple drivers of the same vehicle
- Plan and manage trips according to vehicle charge, estimated range and preferred route

BENEFITS

- Address EV range anxiety – provide drivers with the information they need from any connected device
- Intelligent eco-route planning that considers battery charge, distance, traffic, terrain and charging station locations
- Easily manage battery charge schedules for cost-efficient charging and extended battery life
- Remote cabin conditioning readies the EV without draining battery
- Encourage and support PHEV drivers to maximize EV mode by reporting their EV vs. gas performance
- Reduce gasoline consumption and vehicle emissions
- Enables drivers to effectively manage their EV charging, both at home and at public charge points


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