



THE INTERNET OF THINGS CASE STUDIES

	Car Infotainment System	Electric Vehicle Meters	Wearable Devices
Customer	World leading semiconductor company specializing in storage, communication and consumer products.	An early stage, US based start-up, creating innovative, cloud based solutions for Electric Vehicle Meters.	An early start up using devices to build creative solutions for safety of senior citizens and wellness for fitness enthusiasts.
Engagement	Developed the demo kit for a luxury car infotainment system. We prepared the system using off the shelf tablets and reference boards and had a mandate to showcase Wi-Fi, Bluetooth and 3G connectivity along with GPS based navigation/ location services and playback over AVB.	GS Lab integrated a blue tooth device with an Electric Vehicle Meter. The work included integrating a BT chip into the CPU of the EVM and updating the firmware to configure and interact with the BT device.	GS Lab was responsible for the design, architecture and development of a scalable backend system. We derived meaningful data like patterns and activities from sensor information at 5 second frequency. We developed portals and mobile apps as well as the monitoring dashboards.
Value	<ul style="list-style-type: none">▪ Through rapid 4 month prototyping, we delivered an edge to the customer which enabled them to demonstrate cutting edge wireless technology.▪ Developed an embedded automobile infotainment application by delivering the product through 12 x 5 engineering at less than 1/3 of the cost.▪ Delivered international quality carry-on demo kits by incorporating agile market inputs into adaptive product design.	<ul style="list-style-type: none">▪ The project had a challenging deadline of 3 months for the integration work.▪ We did the QA for the entire EVM.▪ We suggested improvements to help make the EVM more robust and stable. The customer evaluated these and incorporated them into the product.	<ul style="list-style-type: none">▪ Worked from concept, prototyping to production over a period of 4+ years.▪ Developed and owned the horizontally scalable restful backend which could scale up to 1 million users.▪ Supported the product in launch beta as well as in the production stage.

Call us to discuss how we can support your product development lifecycle.

www.gslab.com
Email: info@gslab.com
Twitter: @_gslab
Tel: +1 630 655-8905

USA
Unit 4301 60 E Monroe St
Chicago
IL 60603, USA

India
Amar Arma Genesis,
Baner Road
Pune 411045, INDIA