

## Framework driven Web and Mobile Asset Attribution/Management Applications

**Palatla Srikanth and Rama Krishna**  
Technical Services Avineon India Hyderabad

### Abstract

Technology driven apps are increasingly becoming the order of the day in various government/commercial entities. GIS survey of the properties, assets owned by government/commercial entities & regular maintenance of these assets is gaining ground in ensuring an efficient e-governance/business initiatives. The manual process of recording in paper format or tablet PCs in the field is rapidly on the decline due to the high costs involved, technical skills required, complex processes & outdated technology.

GIS asset survey/management apps can be deployed easily with mobile devices like Android/iPhone/iPad/Windows Mobile. This has a promising potential specifically in urban regions where IT implementations, high speed wireless secured networks are already in place. An offline version can also be made available based on the specific requirements of the customers. Commercial entities can utilize the same apps for business growth analytics, site suitability analysis, centralized operations control, customer purchase behavioral analytics to implement profitable analytics driven sales & marketing strategy. Avineon's mobile framework integrated with ESRI technologies addresses the above outlined needs irrespective of geography, industry. Avineon's hybrid model based mobile framework will enable customers to build several business apps with a fast turnaround time.

The benefits include reduced TTM for the apps, lesser implementation costs and efficient data gathering processes. This would help government/commercial entities to build an app portfolio within their establishment to drive better business operations, plan multiple device deployments by using spatial technologies. These apps also can be integrated with existing systems i.e. CRM, ERP within the customer IT infrastructure through custom web services definitions implemented by Avineon.

This approach of using Avineon mobile framework, Avineon spatial data expertise, ESRI technologies will result in a high ROI for agencies looking for faster, better decision making with mobile apps.

Deployment Platforms: Mobile & Web. Technologies used: ESRI ArcGIS Online (or ESRI ArcGIS Server), ESRI JS API (or ESRI ArcGIS Online API). Integration Platforms: Avineon BPM Suite – Avineonics, CRM/ERP systems which have web service endpoints.