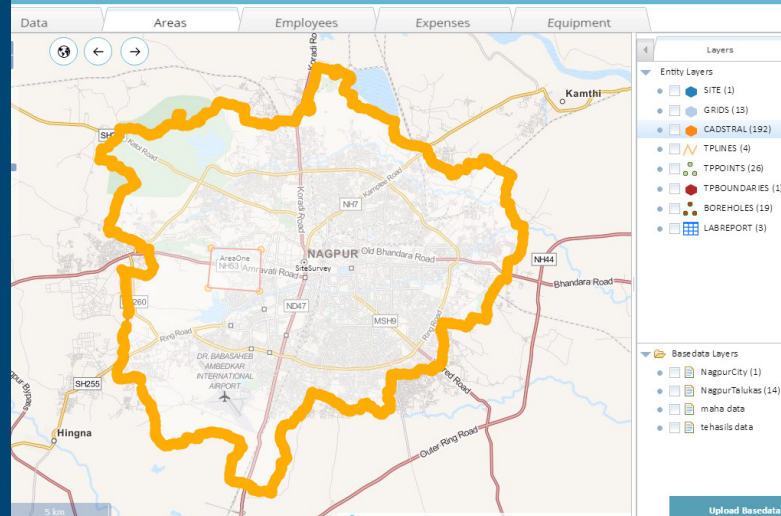


Data Collector

A Field Survey Life-Cycle Management Platform



Solution Summary

Data Collector provides a platform to plan field surveys, assign surveys to different vendors/people, monitor and visualize data collection, and process the collected data in accordance with the organization's business rules.

Solution Description

Data Collector provides a platform to:

- **Plan field surveys** i.e. choose which data to collect, configure business rules for data validation, divide a survey's geographical area into different sub-areas and assign them to different vendors/people.
- **Monitor and visualize the daily field worker level data collection** using geo-fencing, resources being used in the field, and daily expenses/billing.
- **Process the collected data** based on the business rules of the customer organization.

The Survey Owner can:

- Visually create sub-areas and monitor data collection by sub-areas or field workers.
- Restrict each vendor's access to necessary data only, based on geographical areas assigned.
- Enforce geofences so that data collection takes place at the right location, and fraud is prevented.
- Detect and weed out duplicate or erroneous data and request data re-collection.
- Control and configure validation rules for verifying and importing data collected by the survey into the organization's master data store.

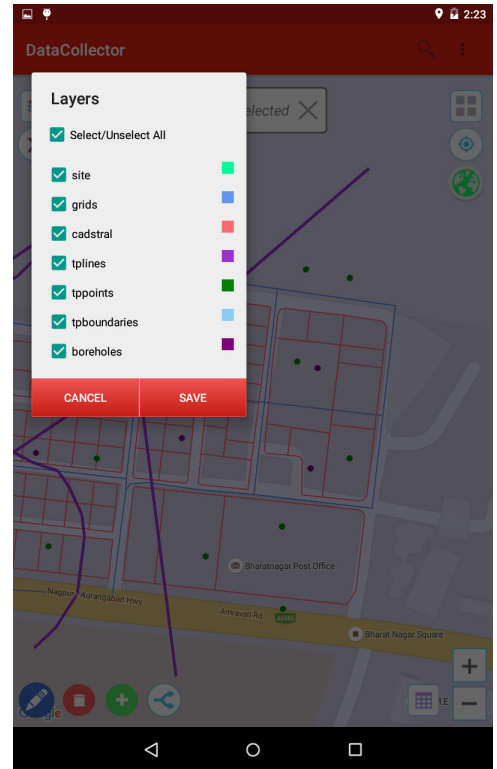


The platform not only paints a true picture of the progress of ongoing field data collection activities, but also tracks the expenses incurred, probable cost and schedule overruns, and the current state of resources (hardware, software) allocated to the survey.

Data Collector has Server, Web and Mobile components. It stores all its geographic and non geographic data in SDE and accesses those via ArcGIS Server based secure Map/Feature Services and custom extensions. It makes use of out-of-the-box as well as custom Geoprocessing tools and models as GP services for GIS functionality.

Key Features

- Management of full Survey Lifecycle—Planning, Data definition, Data collection with near-real time monitoring and Rule based integration with master data.
- Data Model based survey planning, data management and validation, with attribute level configuration control over each dataset.
- Monitoring and visualization of field activities and performance of field workers, and vendors, with billing/expenses.
- In-built and configurable measures for fraud prevention in data collection.
- Offline data collection.
- Server, Web and Mobile protected by standards based security mechanisms. No user is invisible to the Data Collector.



About the Partner

6Simplex, a GIS Applications, Services and Integration company, is a three-year-old start-up in the GIS world. It specializes in:

- Integrating modern GIS applications with legacy and/or non-GIS applications and back-ends
- Developing full stack Enterprise GIS applications (Database Design, SOA, Web apps, Mobile apps)
- Customizing ArcGIS Engine, Desktop, Server using ArcObjects-based extensions