

CASE STUDY

Project: Creation of Digital Maps for Wireless Network Planning

Customer: Leading Data Provider for Telecommunications Industry in Europe

Requirement

The customer, a leading European GIS service provider for the telecommunication industry required AABSyS to create digital maps data for wireless network planning. The customer requires maps of 5m resolution for clutter (land use) and 20 m resolution for terrain data.



Solution Offered

- AABSyS project coordinator worked alongside the client's project manager for delineating precise area of interest in latitude - longitude geographical coordinates in order to identify and procure necessary toposheet for the AOI at each of the respective locations.
- The resources digitized sufficient contours in an optimal manner to ensure generation of a good quality DTM.
- All the spot elevations (Triangulation points, Bench Marks, Spot heights) representing the exact elevation of the terrain at the given location will also be captured.
- AABSyS in-house team will also create LULC data from satellite imagery with reference and validation from reliable sources.
- The digitized LULC map and vector data-sets were delivered to the pre-decided locations.
- A team of 2-3 resources were deployed per location for coordination of collection of scanned toposheets and georeferencing of the SOI toposheets.
- The data was integrated and final DTM, clutter and vector data in Planet and MapInfo format as per the customer's specifications.
- Once the task was complete, then the deliverables were properly quality checked and the tasks were closed

Technology Used

- Two senior managers from AABSyS traveled to the customer site for training on source data structure, specification, methodology and pilot data capturing. They then created a
- The team at AABSyS used high end, up-to dated software such as ERDAS Imagine, ArcMap, etc to complete the given task.
- Few indigenous auto lisp routines were developed in order to expedite the drafting process and assure quality deliverable.
- AABSyS was in continuous correspondence with the clients in order to solve any queries/ doubts.
- The task was completed at locations specified by the customer.

Customer Advantage

- AABSyS has been successfully providing GIS services for the past several years
- The client, a leading telecommunications company based in Europe appreciated the flawless LULC maps, clutter and vector data provided by AABSyS. They helped the company in making informed decisions.
- The deliverables were provided in a time bound, cost effective manner. An extensive quality assurance procedure ensured delivery of perfect LULC maps and Clutter and Vector data