



Premier Telecom company - India

Clutter Mapping for Chennai City, India

Keywords

- Digital Land use(Clutter) maps from high resolution Geodata
- Improve RF planning
- Minimum mapping units for clutter maps are 1m to 2m
- Classified in different classes

Results

- Output data consists of DTM, Vectors and clutter.

For More information



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Telecom Providers in India are very competitive to capture the maximum telecom Service market. To improve radio network planning they are depending on digital Land use (clutter) maps derived from high resolution geodata.

The Challenge

Telecom industry is using the source of Clutter maps to improve radio Network Planning. The minimum mapping unit for clutter maps are to be Lowered from 1m to a 2m grid and extended with the third dimension.

The Solution

The raster based Land use and Land cover output for selected city is being prepared after ortho rectification and pan sharpening between IRS LISS-IV multispectral images and Cartosat-1 PAN satellite images of 2.5 meter resolution. Linear Vectors of Road and Rail network and natural features are being prepared at 1:4000 scale with detailed navigable concept applied. Points of Interest and special features are also being captured with high level of locational accuracy with different kind of GPS survey with detailed classification.



Results

The output data consists of heights (DTM), clutter (classified map), and vector data (Roads, Railway, Water body, POI and other important features).

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