



Planogeo uses in-house developed proprietary hybrid algorithms for locating calls and use the results to solve network problems and optimize the network.

..a better network.

features:

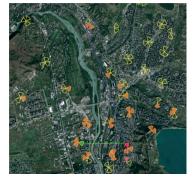
- · Cell based signal quality & coverage maps
- (RSCP, EcNo, propagation delay statistics, overshooting cell detection)
- Geolocation based network/region signal quality & coverage maps
- · Geolocation based call drop, reject and failure analysis .

(failure maps, call lists, call flows, drop and reject statistics)

- Network/region/cell based KPI analysis (service type distribution, cell traffic statistics, soft hand over factor analysis)
- * 3G Neighbor analysis (missing neighbor addition, neighbour deletion)
- · IRAT Neighbor analysis
- Pollution analysis and maps
- Network/region traffic statistics and maps (speech,video, R99, HSPA)
- * User based problem diagonistics (roamer statistics, problematic IMSI detection)
- · Hardware based problem diagonistics



From the results of geolocation analysis, locations of all type of failures (UTRAN and NAS coverage/capacity problem areas, problems of a specific type of mobile equipment and VIP customers problems are identified and recommendations are given to solve each of those.









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2G/3G Missing Neighbor Analysis

RSCP/EcNo maps and the list of cells that are in the AS with the cell of interest help the user to fine tune neighbour candidates.

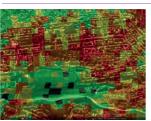
Any neighbour addition/deletion action is dynamically updated on the neighbour lists of related radio access technology, which helps to maintain reciprocity and neighbour counts for any cell at any desired level.

Cell to cell handover statistics can also be viewed together with the interactive map, to help user to decide selection priorities.



Failure Analysis

Failure location maps help to diagnose a specific failure type, not only statistically but geographically as well.



Traffic Analysis

Traffic maps for any call type and/or user defined custom category can be viewed. Importing of these maps to simulation tools like ATOLL is also supported for more realistic traffic simulations.



IMSI/IMEI Based Analysis

Any IMSI / IMEI defined category, such as roamer behavior and hardware model, can be statistically and geographically analysed.