ASSET Geo

5G

ASSET Geo provides geolocated traffic and performance maps for more accurate radio network planning and network design optimization.

Intense market competition means the budget available for network expansion is under severe pressure. Planning engineers need, more than ever, to determine the most profitable and efficient locations to deploy new sites. ASSET Geo enables network planning engineers to visualize geolocated traffic and performance data within ASSET, improving the precision with which they can place new cell sites needed for coverage offload, or to solve network performance issues. This ensures every new site delivers maximum return on investment.

ASSET Geo is technology agnostic and supports GSM, UMTS, LTE and 5G. It leverages TEOCO's geolocation expertise, which includes advanced positioning algorithms and the ability to isolate stationary, moving, indoor and outdoor traffic, allowing for the creation of highly accurate traffic maps.

Maximum capex efficiency
Maximize the return on investment of every new site planned

Accurate traffic maps
Traffic and performance maps built from actual mobile measurements

Indoor loss estimation
Better indoor loss estimation delivers CAPEX savings and improved indoor QoS

Greater planning accuracy
Accurate measurements allow models to be tuned for greater planning accuracy

TEOCO is a network engineering tools market leader
For over 5 years, Analysys Mason has ranked TEOCO as a leading vendor of network engineering software tools.

ASSET Geo

General radio planning

ASSET Geo creates traffic maps based on actual measured traffic from the network which is geo-located with the help of sophisticated algorithms. These traffic maps consist of multiple layers and show traffic on a per bearer, per service or per UE basis.
Leveraging these maps allows not only highly accurate placement of new sites but also analysis of specific services or bearers allowing a planning engineer to design for specific usage and not just traffic volume.

Indoor loss estimation

Traditionally planning teams estimate the attenuation of indoor signals based on a few limited sample measurements. Since ASSET Geo is able to determine whether measurements are indoors or outdoors an accurate view of indoor loss can be gained. This means network plans can account for indoor users much more accurately which leads to better indoor quality of service and CAPEX savings since engineers are no longer overly conservative with their indoor loss estimations.

Improved network modeling

Since the data produced by ASSET Geo comes from the live network, many insights can be gained which help to improve the planning tool's network modeling. By using actual signal strength, throughput and quality measurements planning engineers gain a much more accurate view of the network performance and simulation models within the tool can be tuned to more closely match reality.

ASSET Suite

ASSET Geo is a part of TEOCO's ASSET Suite, a comprehensive planning portfolio designed to deliver cost-effective high performance networks. The ASSET Suite consists of the following products:

ASSET Radio

Radio network planning. Coverage, capacity, cell parameter and neighbor planning for wireless networks.

ASSET Backhaul

Wireless backhaul planning. Microwave link planning, path profiling and frequency interference analysis.

ASSET Design

Automated network design. Automated optimization of existing cell configurations, as well as the placement of new sites.

ASSET Web

Web UI for planning tasks. A lightweight and fast workflow-based UI for common planning tasks.

ASSET Update

Planning tool update. Update ASSET with actual network configuration settings to enable planning from a valid baseline.

ASSET Geo

Geolocated usage maps. Enables more accurate radio network planning and network design optimization.

TEOCO is a leading provider of analytics, assurance and optimization solutions to over 300 communication service providers (CSPs) worldwide.

Our solutions enable the digital transformation of CSPs while enhancing their network QoS, improving their customer experience and reducing their operational costs.

Through advanced analytics, TEOCO products provide actionable and measurable insights into network and customer behavior. This includes the optimization, effective monetization, and delivery of new and existing services, such as 5G.

Our commitment to network flexibility and agility makes TEOCO the obvious choice for CSPs looking to maximize the revenue potential of 5G investments and capitalize on new opportunities tied to the emerging Internet of Things (IoT).

Global Footprint   **Extensive Portfolio**   **Proven Solutions**

"TEOCO's market leading position in Engineering Systems reflects the success of its extensive network planning and optimization solution set, built by some very cohesive acquisitions and integrated effectively to form a leading portfolio"

- Analysys Mason