

SIRADEL
a
world of accuracy



Mission in accuracy

SIRADEL is the initiator of commercial propagation model concept and now has already become the world leader in this important niche market in the telecom industry.

The model 'Volcano', including a series of modules, helps you design and optimize any wireless network including 3G, WiMAX, Wifi, Digital Video Broadcasting...

SIRADEL produces high quality map data and carries out radio coverage expertise including measurement campaigns all over the world.

Backed by strong R&D team, these three business functions work independently but can also be the global solution to guarantee the success of your network planning.

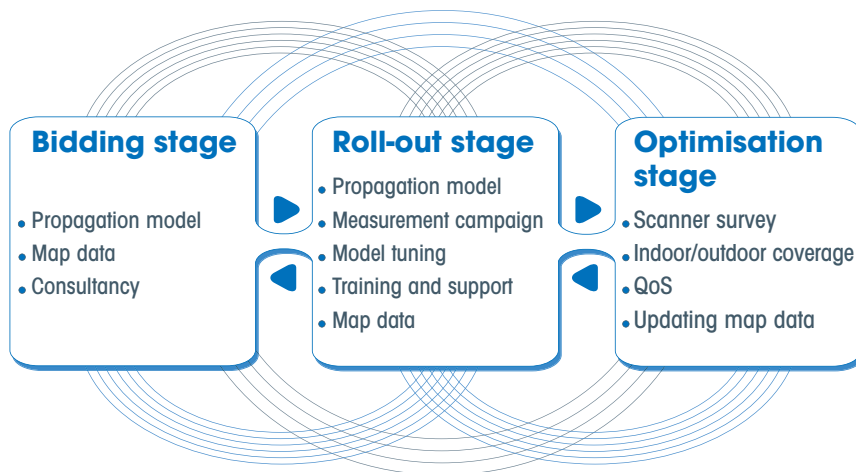
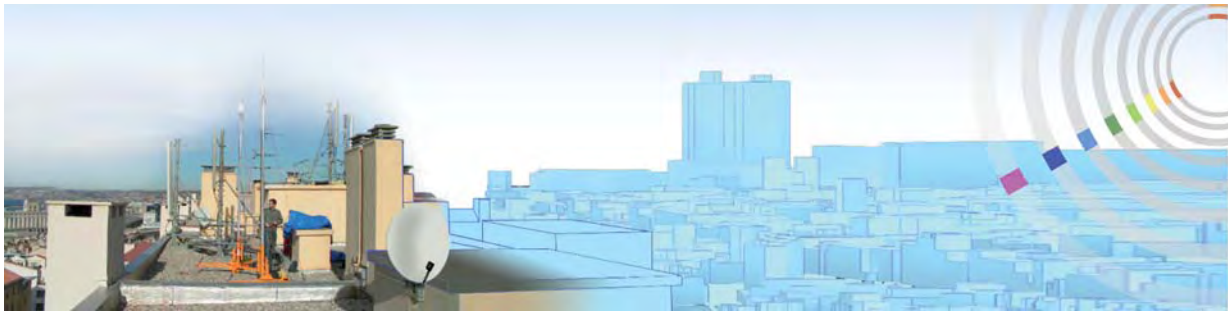
SIRADEL's solutions come from and work precisely for our clients; SIRADEL's technology is always a step ahead fulfilling our mission of 'a world of accuracy'.

Laurent Bouillot, President /CEO





Global solutions for network design



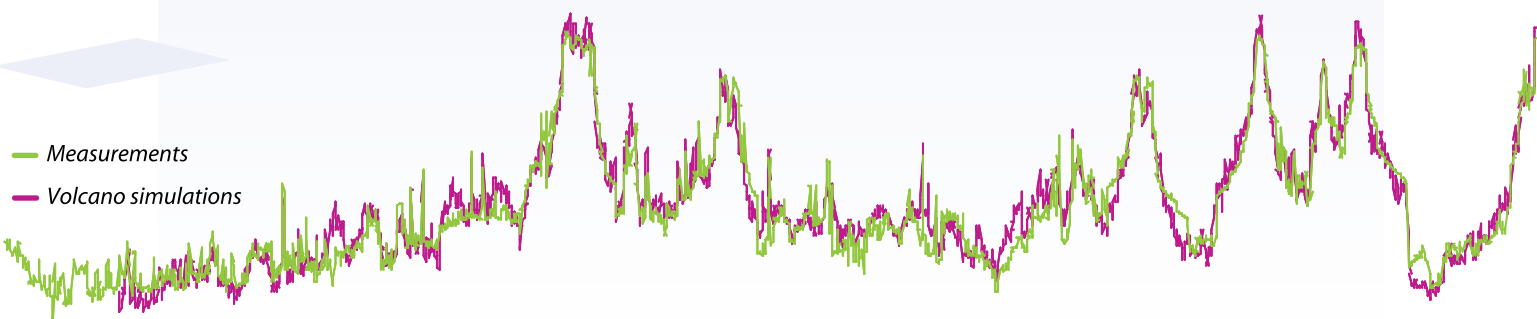
SIRADEL is committed to supporting customers at every stage of their network design, roll-out and optimization.

R&D

New radio planning rules, new system designs (MS and BS), advanced propagation models, MIMO and diversity methods, advanced processing algorithms, advanced measurements, high accuracy geolocation, heterogeneous radio systems...

These are all key topics treated by **SIRADEL**'s R&D team to be always one step ahead and anticipate on future needs across the wireless industry (B3G, 4G, COFDMA, MIMO, Reconfigurability, UWB,...).

In addition, **SIRADEL** is a member of SEE, IEEE, the COST European scientific committee. Each year, **SIRADEL** actively participates and is also deeply involved in national/international R&D projects.

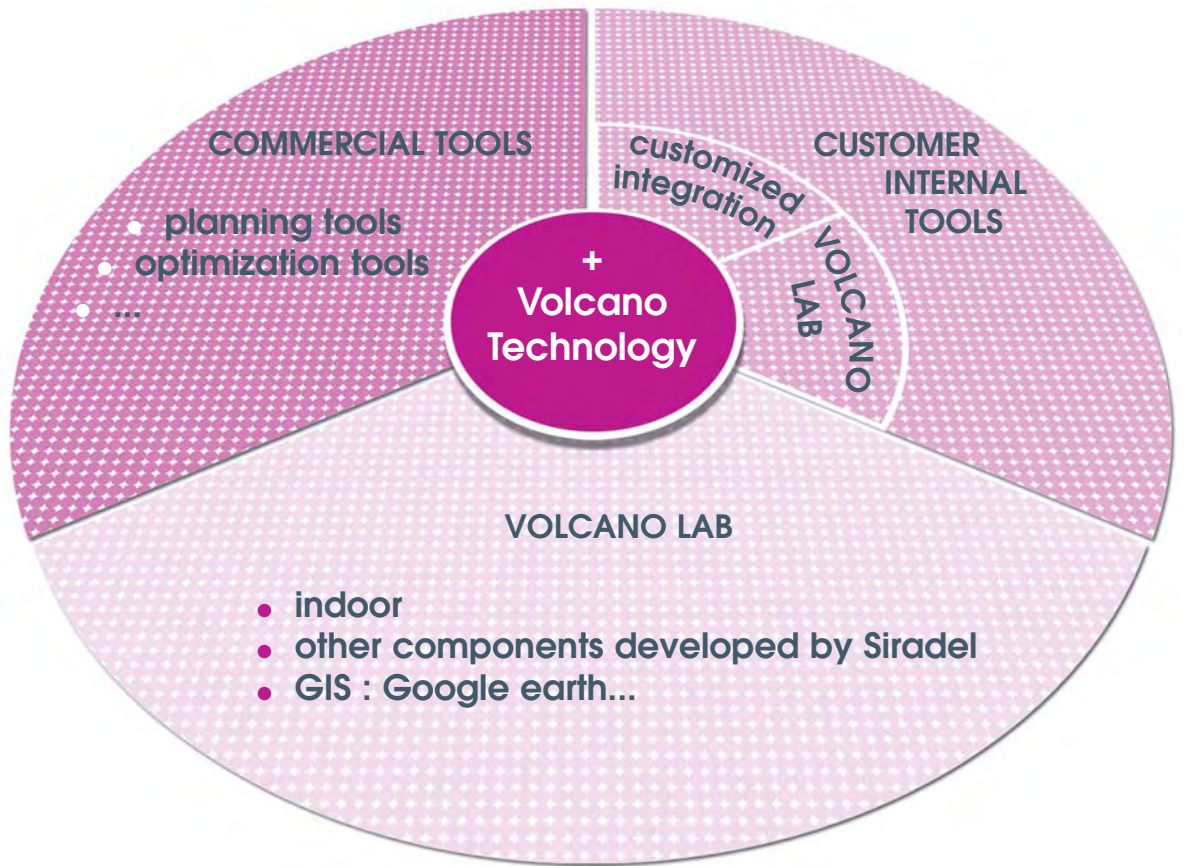


Volcano software

Volcano technology implements a range of unique SIRADEL propagation models, designed to quickly and accurately predict the radio coverage of any type of wireless network, as well as analyze point-to-point links.

To access Volcano technology and increase the capabilities of any planning or optimization tool, SIRADEL can propose a standard, customized or standalone solution.

Volcano solutions for any network planner



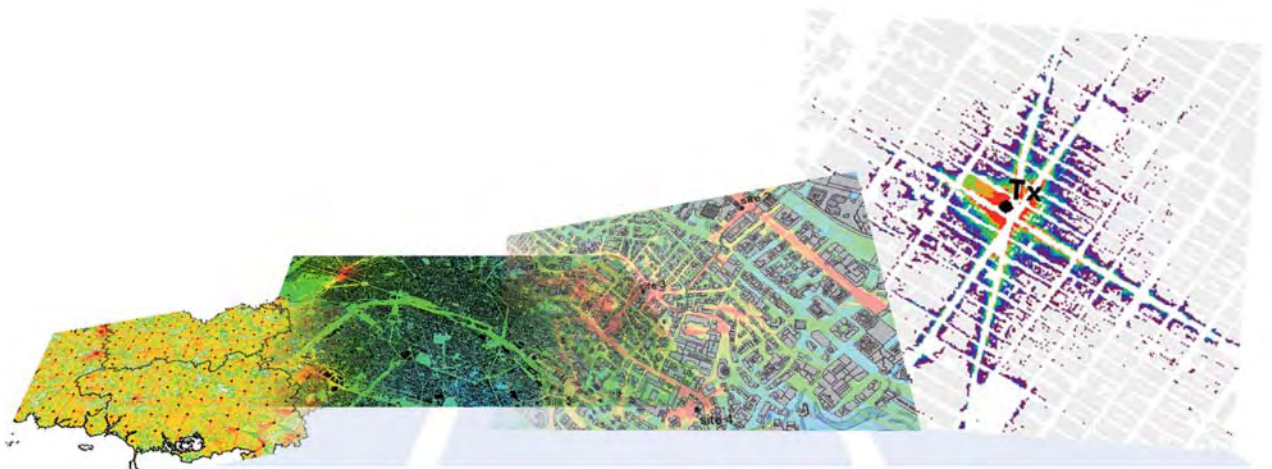
standard solution



customized solution



standalone solution



Radio coverage expertise

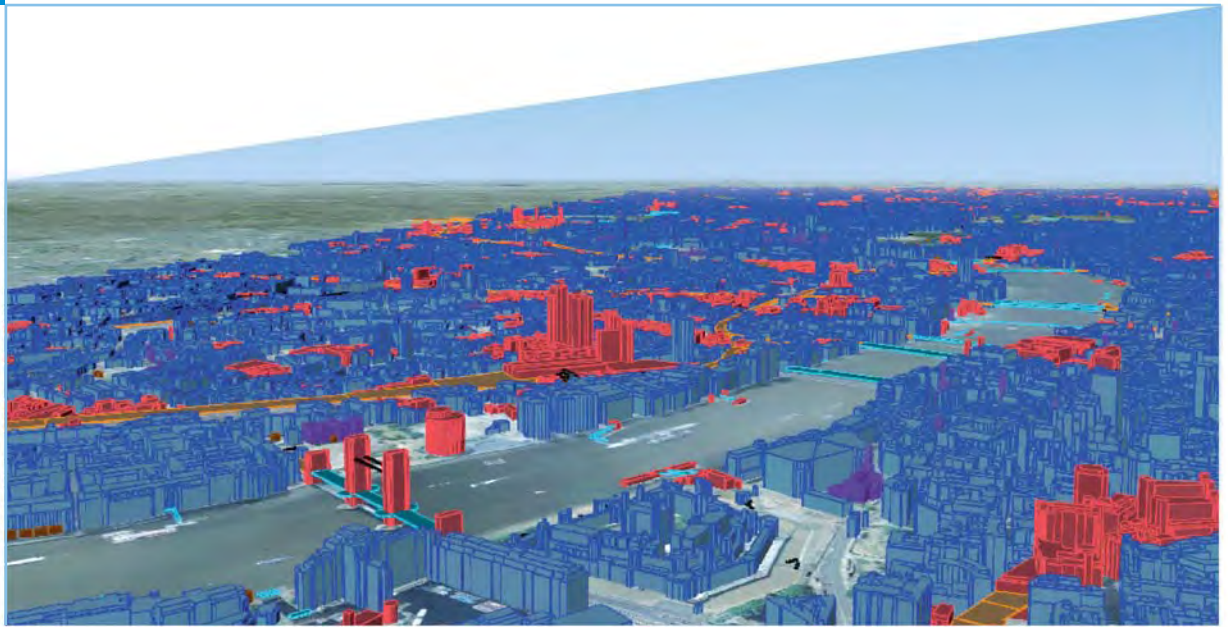
Coping with reality is as essential as simulation in a wireless network's lifecycle.

SIRADEL has built a highly skilled team specialized in radio coverage expertise in order to offer services to radio planner, such as :

- Radio field surveys for any wireless frequency band
- Propagation Model Tuning
- Radio coverage studies (indoor, hot spot, multi-system,...)
- Training sessions



Geographical databases



Thanks to **SIRADEL's** unique know-how in propagation modelling, and geo data processing, **SIRADEL** can specify and produce best-in-class geographical databases dedicated to radio applications, worldwide.

SIRADEL has among the largest production capabilities for accurate cartographic databases (DTM, DEM, 3D building data, land use, vectors and ortho-photos), derived from a variety of sources, including aerial photos and satellite imagery.

The Stringent Quality Control and Procedures at each step of the production process is one of **SIRADEL's** key differentiations, providing the highest level of confidence in new application requests.





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