



New generation VOLCANO 3.0 to improve accuracy of radio network coverage

SIRADEL's propagation model VOLCANO launches brand new 3rd generation – VOLCANO 3.0.

Las Vegas, USA and Rennes, France - March 22, 2010 SIRADEL launches VOLCANO 3.0. This 3rd generation has some revolutionary changes in software structure with a list of new enhanced features by providing more accuracy and reliability with an improved computation time in line with RF engineers' productivity objectives when facing 3G and 4G networks challenges. In the new released version, with direct-path and multiple-path (3D ray-tracing) propagation technologies, the infrastructure of VOLCANO will be three modules – Rural, Urban and Indoor module. The purpose of the shift is to facilitate VOLCANO software operational model assignment.

A new indoor propagation module inside VOLCANO 3.0 is another spotting point of this major release. It intends to meet the request of increasing wireless traffic from fast developing networks. Interference between indoor and outdoor radio networks can be better evaluated by VOLCANO 3.0 in order to optimize performance of networks.

VOLCANO 3.0 reaches the best trade-off between accuracy and calculation time.

"Radio coverage accuracy is requested as never before to improve capacity of existing radio networks and to make it success in new network design. VOLCANO 3.0 is a major release to calculate accurately indoor and outdoor 3D radio coverage in shortest time." said Laurent Bouillot, President & CEO of SIRADEL.

VOLCANO standard, customized or standalone solution (named VOLCANO LAB) are easily interfaced with third party tools. Major planning and optimization tools are using VOLCANO to improve the design of most challenging wireless networks around the world.

Some key features of VOLCANO 3.0 are:

- Multiple wireless technologies compliancy (2G, 3G, LTE, WiMAX, Mobile TV, GSM-R)
- Compatible with most advanced network planning and optimization tools
- 3 cutting-edge models fully integrated: Rural, Urban, and Indoor
- Outdoor-to-indoor and Indoor-to-outdoor coverage predictions
- Automatic tuning
- Advanced simulations (power-delay profile, angular profiles: azimuth and elevation, delay spreads...)

About SIRADEL

SIRADEL is the initiator of the commercial propagation model concept and has already become the world leader in the RF planning market.

VOLCANO is a library of advanced propagation models used to enhance RF design and optimization of any indoor/outdoor RF networks such as LTE, 3G, WiMAX, Wi-Fi, Digital Video Broadcasting...

SIRADEL also produces dedicated **3D map data** worldwide for network design and carries out **radio coverage expertise** including RF measurement, model tuning services, complex radio coverage studies and training sessions.

These three business units work independently or as a global solution to strongly reduce cost for radio network infrastructure and improve capacity of radio network. The complex radio networks are successfully deployed in Hong Kong, Tokyo, Beijing, Jakarta, Jerusalem, London, Paris, Brussels, Moscow, Praha, New York, Seattle, ...and more than 300 cities with SIRADEL technology.

SIRADEL is a member of international scientific committees (COST, SEE, IEEE,...) and participates on several national & international research projects to be always one step ahead and anticipate future needs across the wireless industry.
www.siradel.com

For further information, please contact:

SIRADEL
Jiayi Jin, Marketing Manager
Tel: + 33 (0) 2 23 48 05 00
jjin@siradel.com