EDX WIRELESS

Next Generation Wireless Design

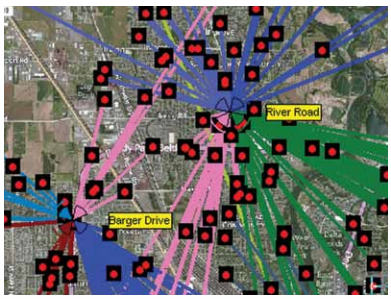
Energy

EDX SIGNALPRO® IS A COMPREHENSIVE SOFTWARE SOLUTION BUILT TO ADDRESS THE CHALLENGES OF EVOLVING WIRELESS NETWORKS

Wireless networks in the Energy industry encompass many technologies and are deployed in a variety of challenging service area environments, making it essential to use a comprehensive planning tool for the design, deployment and optimization of these networks.

EDX SignalPro offers support for systems from 30MHz up to 100GHz. With features used in the design of any system architecture, SignalPro is ideal for deployments in service areas that contain multiple system types. Compatibility with a variety of databases that take into account terrain, foliage, structures and other environmental factors allows engineers to create 3D models and accurately portray system performance in service area environments. SignalPro can also utilize measurement data taken in the field and export system performance charts and graphs to third party applications.

The capability of SignalPro can be further expanded through modules that add technology specific and advanced network planning features. With support for wireless networks deployed in any service area environment, SignalPro is essential for wireless network design in the Energy industry.

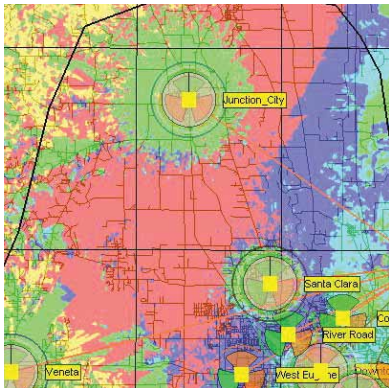


Multipoint design

EDX Solutions

COMPREHENSIVE, FULLY FEATURED SOFTWARE FOR THE DESIGN, DEPLOYMENT AND OPTIMIZATION OF WIRELESS NETWORKS

Powerful visualization



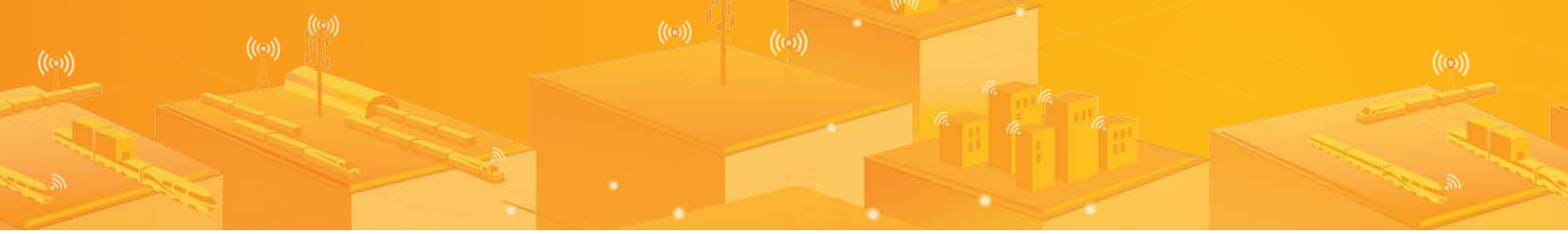
Coverage study

SignalPro

EDX SignalPro is a comprehensive and fully featured RF planning software suite offering all the study types needed to design wireless networks, including; area studies, link/point-to-point and point-to-multipoint, route studies and in-building coverage analysis.

With advanced network design capabilities and support for virtually any hardware type, frequency and system architecture, SignalPro is the engineer's tool of choice for designing LTE, Mobile/Cellular, Multipoint, Mesh, in-building DAS, LMR, WiMAX and more.

- Scalable and customizable for networks of any size and set of requirements
- Intuitive functionality allows engineers to query study results, analyze demographics and compare measurement data with predicted results
- Robust 3D modeling of service areas for unique and thorough network design experience
- Seamless visualization of service areas, network assets and simulated performance
- Direct compatibility with 3rd party applications allow study results to be easily exported and shared



LTE, Mobile & Cellular, WiMAX Modules

These specialized modules can be added onto SignalPro to meet the needs of the energy industry as wireless networks continue to evolve. Each module offers advanced network planning features such as traffic loading analysis, automatic frequency planning, capacity analysis and much more. The modules also feature a large collection of specialized area studies unique to each technology.

Multipoint

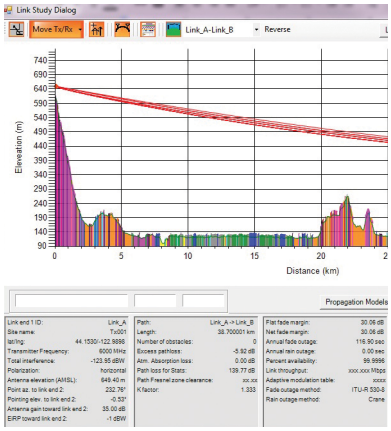
The LTE, Mobile & Cellular and WiMAX modules add an extensive feature set for the planning of multipoint and integrated backhaul networks. Adding any one of these modules to SignalPro provides automatic layout and assignment capabilities as well as full downlink/uplink interference analysis for multipoint and backhaul planning.

DAS Design Module

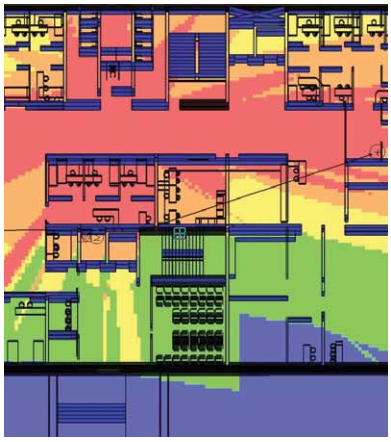
The DAS Design Module supports detailed design of the indoor wireless networks found in offshore oil rigs and other indoor and mixed service area environments. In addition to indoor and outdoor propagation models, the platform contains asset management features that allow you to plan components, cables, antennas, connectors and other equipment and produce a bill of materials for your network.

X3D Ray Tracing Module

The Remcom X3D Module provides a highly accurate, site specific wireless propagation model with GPU accelerated ray tracing. Calculations explicitly take into account 3D antenna patterns and detailed building, floor plan and terrain features present in the propagation environment, including their material properties.



Complete path profiles



In-building design

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