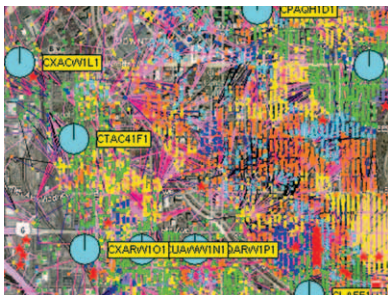
EDX WIRELESS

Next Generation Wireless Design

Utility Networks

EDX OFFERS ROBUST SOLUTIONS BUILT UPON INDUSTRY STANDARDS AND DESIGNED TO FULFILL THE EVOLVING NEEDS OF THE SMART GRID MARKET

EDX SignalPro® with the Mesh Network Module is a wireless network planning software suite that offers unparalleled capabilities for the successful deployment of Smart Grid AMI, Distribution Automation and other Utility RF Networks. Used in the planning, deploying and optimizing of wireless networks, the EDX solution ensures utilities and vendors meet quality, reliability, coverage, throughput and cost goals.



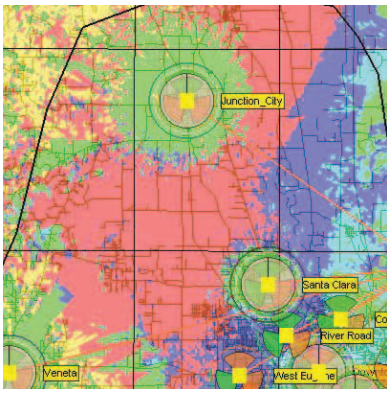
Large-scale mesh study

With features such as automatic router and repeater placement, capacity constrained analysis and support for mesh networks that range from hundreds of nodes to millions in size, SignalPro with the Mesh Network Module is leveraged in the industry to streamline pre-sales activities, intelligently scale large networks and optimize infrastructure investment.

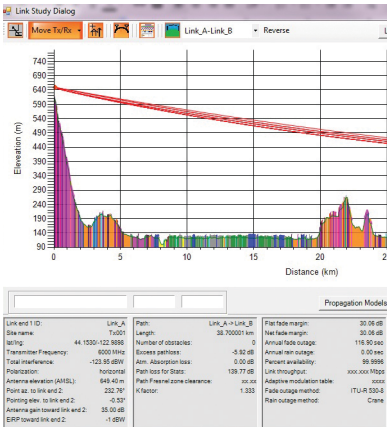
SignalPro is a comprehensive engineering tool that supports the planning of wireless networks from 30MHz up to 100GHz. It includes all the features needed for Utilities to plan land mobile radio, microwave point-to-point, point-to-multipoint, SCADA, in-building networks and much more.

EDX Solutions

DESIGN, DEPLOY AND OPTIMIZE SMART GRID AMI, DISTRIBUTION AUTOMATION, WIFI AND OTHER MESH NETWORKS WITH SIGNALPRO®



Coverage study



Complete path profiles

SignalPro

EDX SignalPro features powerful system performance visualization options and compatibility with a variety of databases for advanced 3D modeling of service areas. Tools for analyzing demographics, querying study results and utilizing measurement data can be used to produce reports, charts and graphs that can be exported. Features for analyzing demographics, querying study results and utilizing measurement data make SignalPro an all-in-one network-planning solution.

- Scalable and customizable
- Powerful query functions
- Robust 3D modeling
- Seamless system visualization

Mesh Network Module

The Mesh Network Module is essential to the design of any efficient and robust mesh network. With custom analyses, studies, displays and features specifically designed to address the needs of mesh networks from small to large scale and beyond, the Mesh Network Module is an important addition to any wireless engineer's solution set.

MegaMesh®

Feature set supporting the planning of very large scale mesh and AMI networks consisting of potentially millions of nodes. Automated processes and detailed system reports ensure proper network dimensioning while identifying mesh vulnerabilities and critical mesh points.

Automatic Router Layout

Automatic layout of access points and routers based on towers/poles databases and street vector data.

Automatic Selection of Routers

Easily determine the optimum number of required routers based on receive sensitivity, maximum number of hops for devices and maximum router distance.

Automatic Repeater Selection

Automatically assign optimal repeater location as determined from potential candidate locations.

Real-Time Repeater Selection

By calculating connectivity in real-time based on cursor location, engineers are able to quickly find ideal repeater locations that solve difficult node connectivity problems.

Automatic Selection of Gateway Nodes

Automatically identify and assign nodes as gateways based on the best connectivity conditions and availability of a backhaul network.

Traffic Loading

Automatically calculate traffic loading on individual nodes based on real service areas and a selection of multiple service types.

Reporting

Create reports and coverage/performance diagrams and take advantage of EDX SignalPro's import/export functionality for use with industry standard GIS tools and 3rd party software.

Complete System Design

Combining the Mesh Network Module with the LTE, WiMAX and/or Mobile & Cellular Modules in EDX SignalPro provides a fully featured solution for Heterogeneous Network Design.

Smart meter link visualization

Collector/router connectivity study

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