Welcome to

EDX

WIRELESS

Vision. Productivity. Connection.

A COMPLETE SOLUTION

EDX offers the most comprehensive engineering solution in wireless. Our products are used to design 5G, CBRS, IoT, Smart Grid AMI, LTE, Broadband Delivery, in-building DAS and more. The features of the platform contain everything needed to design greenfield networks from the ground up, optimize existing systems, expand networks or migrate from one technology to another.

Engineers in Utility, Mission Critical, Smart Grid, Transportation, Public Safety, Energy and other industries rely on EDX's solutions to plan networks in any service area worldwide including in-building networks and those deployed in challenging service areas.

NATIONWIDE

Cirrus Platform automates the process of large-scale network design and optimization by providing the industry's only solution that allows engineers to produce nationwide coverage analysis in a single run.

The Cirrus Platform is a Cloud SaaS solution that allows engineers to offload large studies to a cloud engine and run analysis for networks consisting of any number of devices and covering any geographic region. This eliminates the need to run multiple studies, reset study grids and stitch maps together manually.

Built through partnerships with our customers, our products ensure you meet your goals, achieve success in emerging technologies, retain customers and recover engineering time.

Run nationwide coverage for:

- Network acceptance
- Internal Marketing
- Optimization work
- Budget allocations
- New technology rollouts
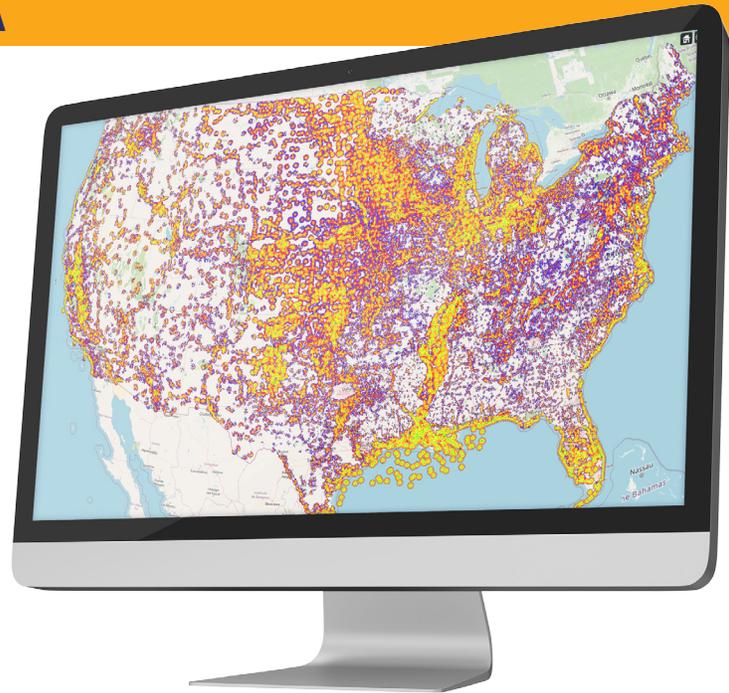- Government requests
- Third-party relations

NOVUS

Novus is an application that allows users to upload projects, including large nationwide studies, into the cloud and viewed on a flexible interface. The application provides a user dashboard that stores historical project data and allows you to export and share projects with customers or others in your organization. Store an unlimited number of projects and ensure network validation and perform system audits in an easy to use and flexible application.

DATA

EDX provides instant access to high-resolution data for any location on Earth. The data subscription service provides a complete data solution on a subscription basis, saving money over having to purchase costly databases. Data subscription plans offer the chance to procure clutter and terrain databases for individual service areas up to entire states, countries or the globe.

Get data on a per-project basis or for long-term projects. Each subscription includes updates so you always have the most current information available. The accuracy and resolution of EDX's data provides engineers with the most detailed models available, streamlining deployments and customer requests as well as providing a competitive advantage on bids.

LICENSING

Flexible Licensing options allow you to procure EDX's solutions on a monthly, yearly, or pre-paid days usage basis. These options allow you to save money over perpetual license purchases and easily add users for busy seasons, particular projects, or training. You may also add technology modules as needed for particular projects.

MONTHLY Subscription	USAGE Subscription	PERPETUAL HYBRID Flex Subscription
Monthly or yearly subscription Add users and modules as needed Access to high-resolution data	Pay only for what you need No limit to the number of concurrent users Great for project-based usage and OPEX	Add monthly users as needed to a new or existing perpetual license Scale up or down depending on workload

TECHNOLOGY SPECIFIC MODULES

5G MODULE

EDX's 5G module ensures networks meet the coverage, reliability, and latency requirements for 5G networks in low, mid, and high (mmWave) bands. Design robust and scalable networks for enhanced mobile broadband (eMBB), Ultra Reliable Low Latency Communications (URLLC), Massive Machine Type Communications (mMTC).

Support and features for:
- Carrier Aggregation
- MIMO & Massive MIMO
- 5G Adaptive Modulation
- Specialized 5G area studies

5G use cases:
- High-speed internet access
- Improved broadband connectivity
- 4K/8K video streaming and gaming
- AR/VR
- Industrial automation
- Remote healthcare
- Autonomous driving

LTE-PRO

The LTE-PRO module provides support for LTE-A and LTE-A Pro networks that will provide a foundation for future 5G applications. The module also contains features to design private networks and CBRS.

Support and features for:
- LTE PCI Planning
- Capacity analysis
- Carrier Aggregation
- LTE MIMO UL & DL
- Automatic frequency planning

MESH NETWORK MODULE

EDX offers the industry's only solution to plan, deploy, and optimize Mesh networks of any size, including city-wide and larger networks consisting of millions of devices. Automated processes eliminate the guesswork, and detailed system reports ensure proper network dimensioning for a robust network now and in the future.

A complete set of presales tools allows you to create a strategy for each deployment and streamline the process, ensuring systems meet performance and budgetary requirements and get you on to the next opportunity.

Benefits:
- Streamline pre-sales activities
- Intelligently scale large networks
- Optimize infrastructure investment
- Automate detection of mesh vulnerabilities
- Shorten time to deployment
- Reduce truck rolls

LORA MODULE

Automatically place equipment and plan channels to ensure a robust and redundant LoRa IoT network that meets demand now and scales in the future. Design a network that is properly dimensioned, with the optimal number of devices to cover any service area.

Specialized studies:

- Best available LoRa uplink/downlink data rate
- Number of LoRa servers above uplink threshold
- LoRa optimized uplink transmit power
- LoRa bidirectional margin
- Best available LoRa uplink/downlink spreading factor
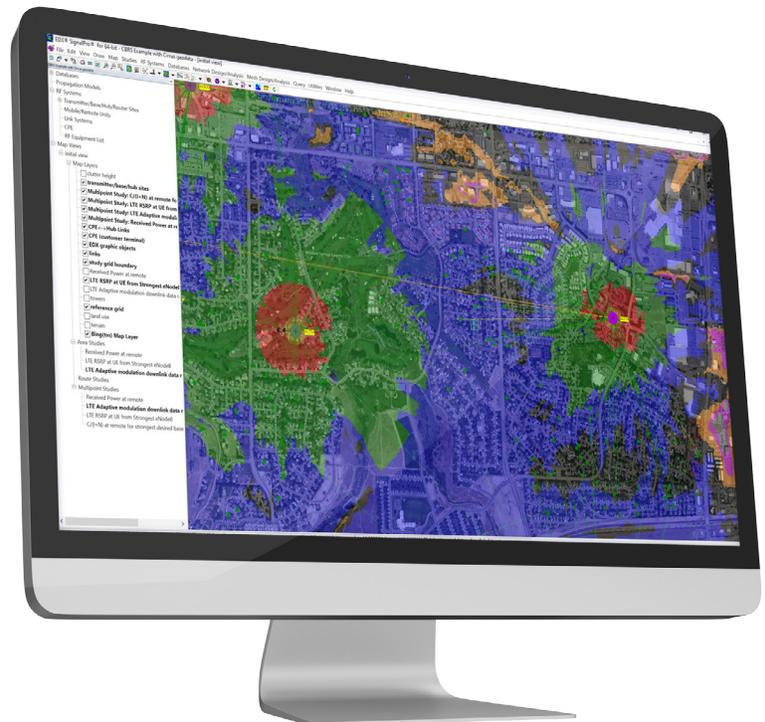
DAS DESIGN MODULE

For the complete design of in-building, outdoor-to-indoor and outdoor campus networks, the DAS Design Module allows you to import 3D building floor plans and model systems based on building characteristics. The platform also contains asset management features that allow you to plan components, cables, antennas, connectors and other equipment and produce a bill of materials for your work.

The DAS Design Module allows you to plan any in-building network including 5G, CBRS, Small Cell and more.

SOLVING COMPLEX PROBLEMS

Wireless networks seemingly get more complex by the day. More and more devices are being connected, with smaller cells and higher frequencies and transmitters at street level, where they are susceptible to the environment. In addition, these networks must meet reliability, low latency, and redundancy requirements not only for performance, but to ensure a properly balanced network that is scalable for the future. As such, precision planning is not a small task.

EDX provides robust features to address these challenges across any service area and geographic region to ensure networks meet budgetary and performance requirements now and in the future.

DESIGN AUTOMATION

Too many engineering tasks require an abundance of unnecessary manual labor and configurations throughout the entire network design, deployment, and optimization.

EDX works with our customers to determine where time is wasted during network engineering and provide features that automate these tasks. With solutions to automatically determine site locations, tune field measurements, intelligently lay out system equipment, instantly access high-res data with no conversion or manipulation needed, and more…

EDX streamlines processes, eliminates manual and guesswork and keeps engineers doing what they should be doing.

AUTO-PLACEMENT

Automated features determine site locations for best performance as well as properly dimensioned networks so you don't overspend on hardware. Easily import tower/pole information, or let the program determine candidate locations to choose from, eliminating the need to run coverage studies for each potential site in a service area and keeping engineers from getting bogged down in guesswork and trial-and-error.

VISUALIZATION

EDX provides powerful tools to visualize system coverage and performance. Create macro coverage maps showing performance across large geographic regions including state or nationwide, down to particular service areas to see performance at a street-level view. Export results to third-party programs and image formats for presentations.

REPLAY

Study results are cached for future analysis and optimization, eliminating the need to reinvent studies and start the whole process again. Replay studies provide "what if" and delta analysis for network acceptance and RFP responses.

Analyze various scenarios without having to re-run studies

Replay different settings for optimization

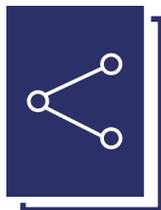Study result caching for future analysis

COSTING

Engineers can view the cost of new and existing networks by including the cost per router, sector, meter type etc in studies. Run various scenarios for comparison and to determine the best network configuration for cost and coverage.
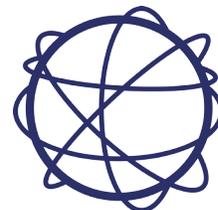
WHAT WE DO THAT NOBODY ELSE DOES

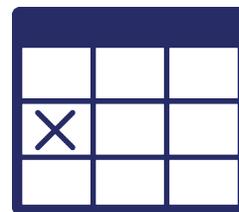**Nationwide Studies**

Flexible, Usage-Based Licensing

High-Resolution, Custom, Current Data

All-In-One Solution for any Wireless Network

Automated Design Processes

Monthly Software Releases

EDX SERVES ENGINEERS WORLDWIDE

TRAINING

EDX offers a variety of training options to ensure you get the most out of your software.

Custom Success Sessions

Active customers are entitled to a free one-hour session per quarter to streamline your processes and discover all the features of EDX solutions.

SignalPro Beginner Course

This regularly scheduled course is designed to give new users a solid understanding of SignalPro so that you are able to create projects, import and manage radio equipment, choose appropriate propagation models, run studies and query/export study information.

Technology workshops

Become familiar with the technology specific modules and features available from EDX to apply those to your use case.

Custom training

Book a training for a custom curriculum specific to your use case, requirements, and users.

Custom setup

When you need a quick training session to get your particular project set up.

RELEASE AND FEATURES

EDX is the industry's only software with monthly releases. We partner with our customers to provide the solutions you need to make your life easier and support your continued success. We invite you to engage with us and submit your feature requests and tell us what you would like to see out of your software.

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