

Upgrading Sectors to Support Growth

AirGate PCS Relies on Empower SectorPlanner™ to Help Determine New Site Locations



Dan Zych is a regional RF and performance manager for AirGate PCS, a Sprint PCS affiliate that provides 100% digital, 100% personal communication services (PCS). AirGate is one of the largest Sprint PCS affiliates and continues to grow rapidly.

AirGate management wanted to hear from Zych about where they needed to add new sites in 2002 to support increased subscriber traffic in Illinois, Iowa and Nebraska.

To help him do the job, Zych chose Empower SectorPlanner™, a cost effective and easy-to-use wireless network location and capacity planning tool for design engineers, system performance engineers and base line testers. Seamlessly integrated into MapInfo Professional® desktop mapping environment, SectorPlanner enabled Zych to visually display every site and sector within his region.

He created maps of every major market area, showing all sites and sectors. Each sector was shaded one of three colors to represent F1 carrier, F2 carrier and F3 carrier growth requirements.

Zych's work was presented at AirGate's 2002 planning meeting. The maps were much more compelling and informative than the spreadsheets where the data resided.

"With the maps I created using SectorPlanner, management could immediately see at any given site which sectors needed to grow to second or third carrier," Zych said. "It was easy seeing in major population areas where we needed to act."

Zych concluded, "SectorPlanner proved instrumental during our planning in helping us visualize our market and determine where to add new sites in relation to population."

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About SectorPlanner

SectorPlanner is a wireless network location and capacity planning tool for system performance and RF engineers. Fully integrated into the MapInfo Professional mapping environment, SectorPlanner provides a visual and intuitive interface for network performance analysis, configuration planning, and reporting network capacity and trending.

Now any number of users in your organization can quickly and easily display, report, and map cell status for an entire market area. SectorPlanner takes the guesswork out of capacity planning, and provides features such as capacity plan archiving, system capacity and performance trending, and more — making this the perfect, cost-effective and easy-to-use complement to RF propagation and network planning tools.

Whether you display cell capacity status, balance loads among sectors, optimize the network or determine the best locations for next-generation cell sites, SectorPlanner gives you the power to make better, more informed decisions a part of your everyday operations.

About Empower Geographics

Empower Geographics specializes in making location strategic for business. We offer a complete portfolio of mapping software and data products. Our years of expertise, domain knowledge, and listening to customers in the telecommunications industry has helped us meet the needs of many carriers.

We have worked closely with some of the nation's leading telecommunications carriers to assess needs and design, develop, and implement custom solutions. Our solutions expertise includes Market Analysis, Network Planning, Performance Analysis, Buildout, Customer Problem Resolution, and Customer Care.

Empower OneCall™, our wireless one call resolution system for customer reported network problems, is used by large and small wireless carriers nationwide. With Empower OneCall, carriers are able to dramatically improve customer care and maximize network quality.

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