

GIS Applications in the Wireless Telecommunications Industry



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Which Groups Use GIS



Engineering:

- Prediction plots are used to engineer the network
- Break a complex problem into a simple to understand visual representations such as performance in an area

Planning:

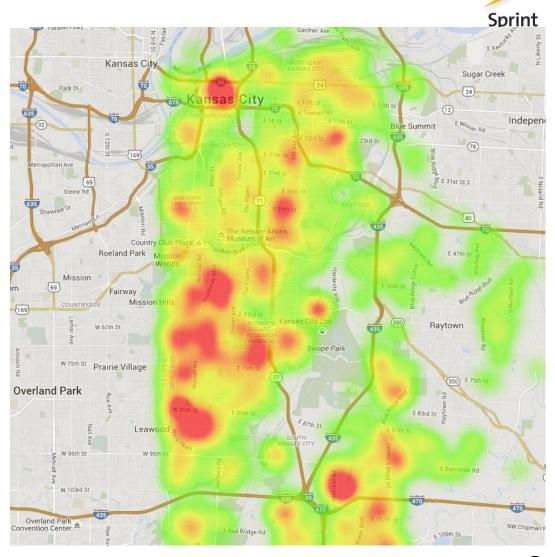
- Utilize multiple data sets such as demographic and geodata to understand how to maximize investment
- Reporting covered population counts to the government

Marketing/Sales:

 Allows marketing and sales to determine where their efforts should be focused to drive profitable growth

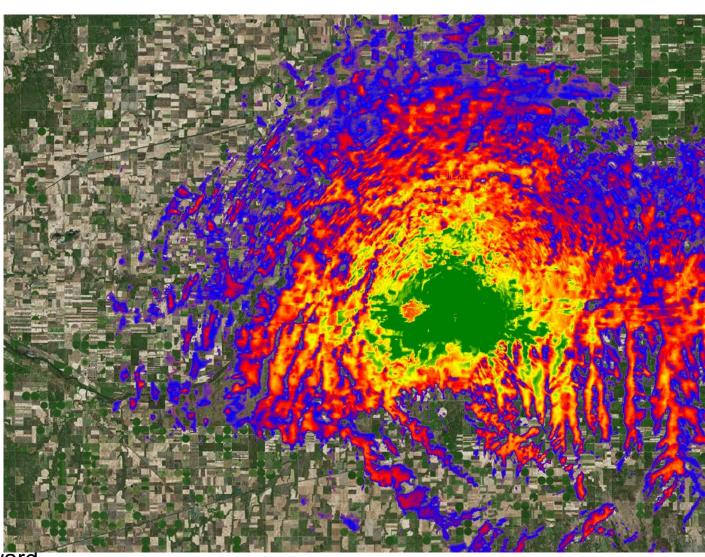
Identify Areas in Need

Network Traffic Data Network Performance Roaming Expenses Special Events



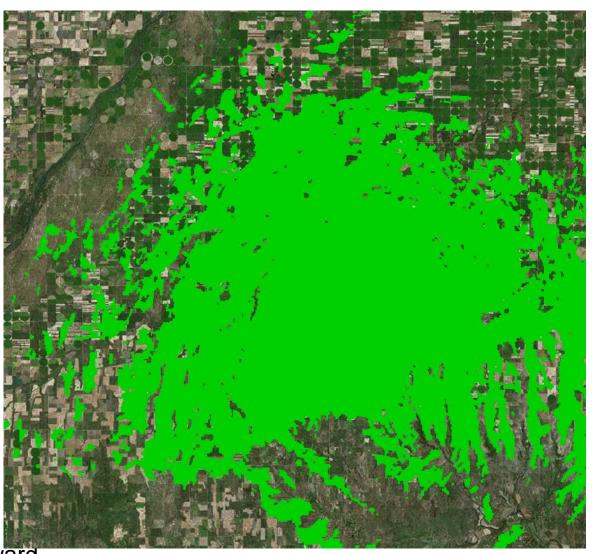
RF Propagation





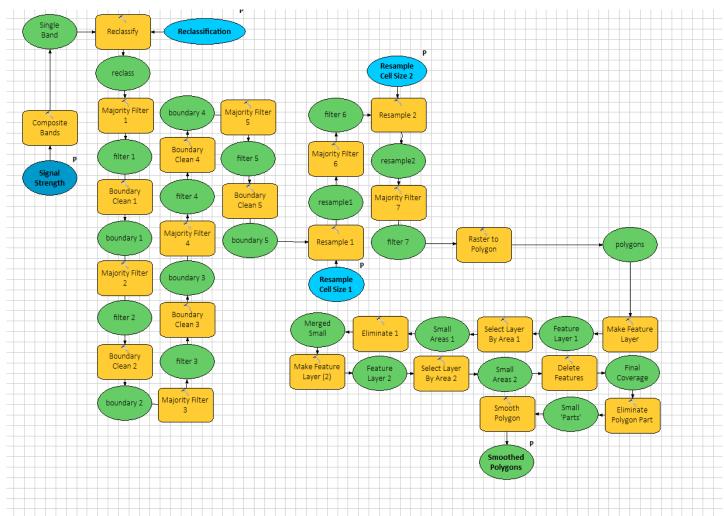
Output Vector file





Raster to Vector classifying dB level





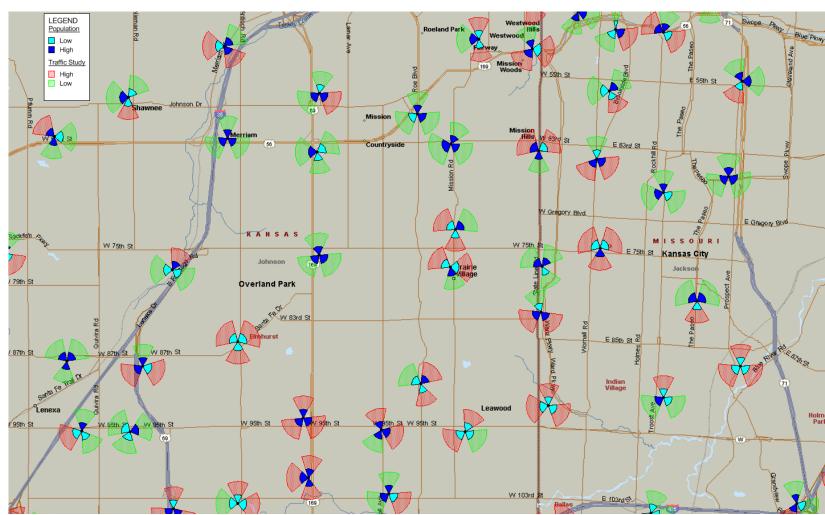
#MoveForward

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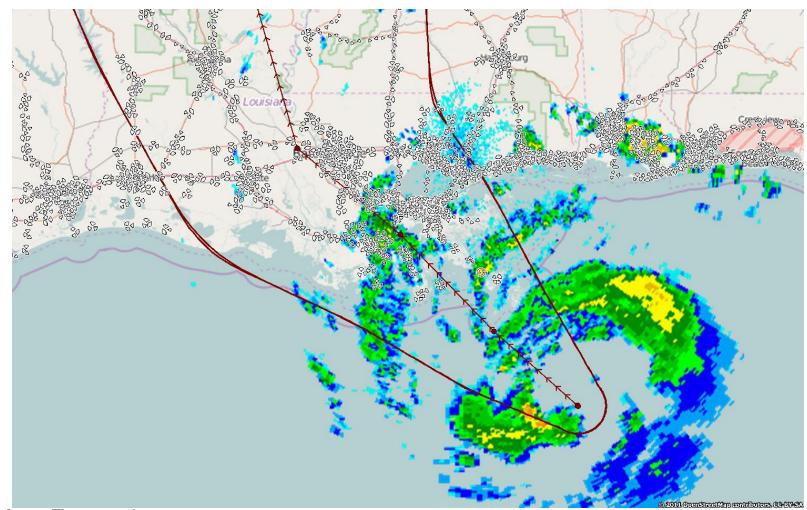
GIS for Real Time Decisions





Disaster Preparedness Example



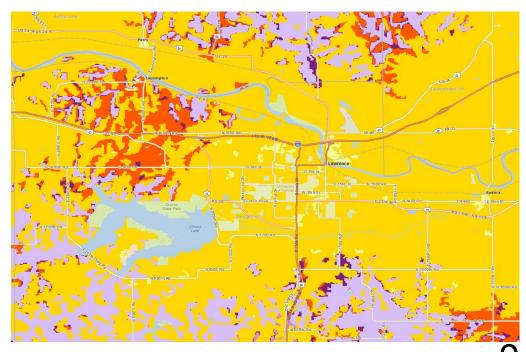


Business Support



We have processes and self-service tools for the business team to use at any time. These tools allow the end user to leverage the power of GIS without having to be familiar with technology.

Tools are made using: Python, VBA, C#



What I wish I knew



Programming
Modeling
Statistical Analysis



#MoveForward

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