

Wi-Fi Network Designer Tool

Telecommunication companies have new challenges today with the increased popularity and demand for wireless technology. Such companies are turning to iVAULT to resolve these challenges through a geospatial application.

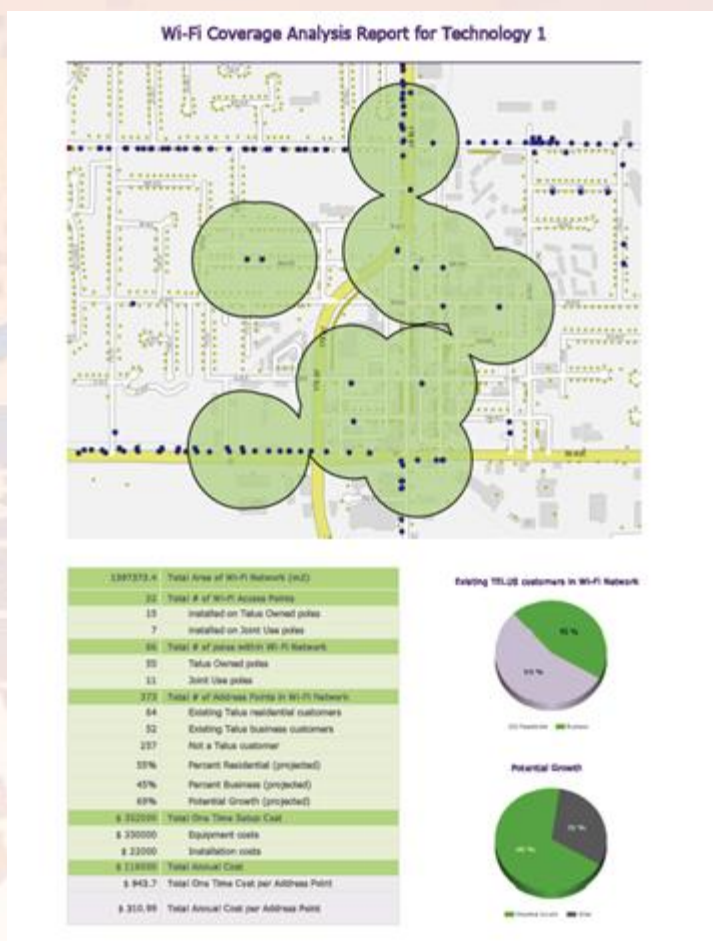
Telcos are increasingly concerned with the incredible load on the cell network in densely populated urban areas. With the increase of smart phones in today's society, clients are downloading, streaming and sharing more wireless data than ever. With an aging infrastructure in place, the load on the cell network is such that data transfer rates and streaming quality and performance are being impacted. Also, with the increase in traffic on the networks, clients are dealing with more dropped calls, which mean increased client dissatisfaction.

By defining targeted areas for installation of new Wi-Fi access points, TELCOS need to consider:

- the affect on the network load
- the ability to increase performance
- how to increase client satisfaction
- how to reduce one-time and annual maintenance costs
- have the ability to trial many different types of Wi-Fi equipment and technology

Using existing iVAULT technology and base mapping layers combined with telco network infrastructure, Pacific Alliance has designed and developed a Wi-Fi Network Designer tool that allows planners to design a potential Wi-Fi area using existing telco infrastructure.

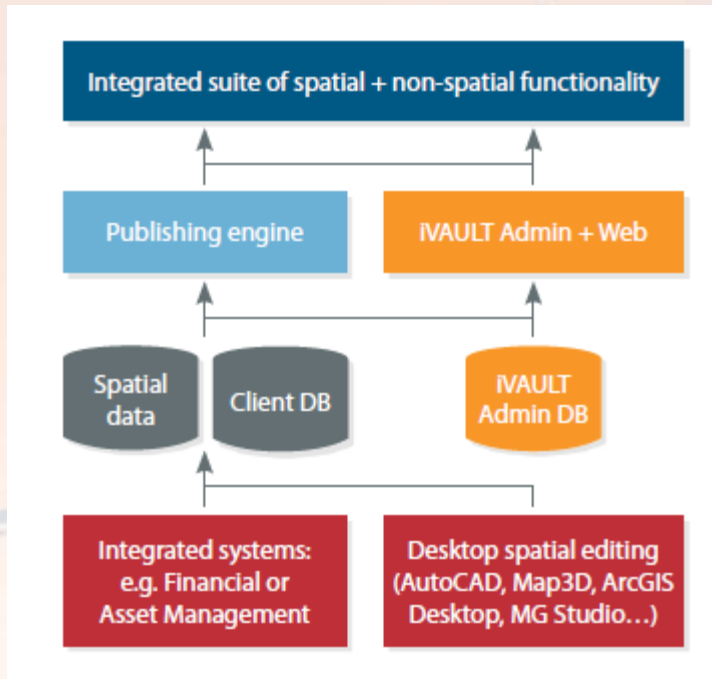
The tool allows users to cost out various Wi-Fi technologies by selecting telco-owned poles or joint-use poles for designing how the network will provide relief and distribute service to the clients. Each trial Wi-Fi technology has specific costs for equipment and maintenance as well as a predefined radius for how much coverage each will provide.



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iVAULT System Architecture

Easy Integration: iVAULT's open architecture makes it easy to design and configure components. Leverage existing data sets and systems to minimize implementation and training costs. No programming skills required.



Open Approach: iVAULT is compatible with leading technologies: ArcGIS Server, MapGuide, Microsoft SQL Server and Oracle—allowing you to use your data and systems in their existing structure.

Cross-Platform Support: Access your data with any industry-standard web-browser.

iVAULT driven by technology and Passion !

iVAULT was designed to provide simplicity for business workflows. Since its inception in 2002, iVAULT has migrated through the various iterations of software technology in the market to become one of the most configurable and open web

mapping applications available.

The Pacific Alliance team has worked hard over the years to ensure that we understand what our users want in a web mapping application. With its roots in telecommunications, iVAULT now serves a variety of business sectors from oil & gas to local government. This evolution has required the team to focus on understanding how each user requirement can be implemented in a generic way, while keeping the simplicity of use.

From scalable architecture to easier navigation for non GIS users, we believe that iVAULT provides great value to our user base. Our clients benefit by reducing their investment of understanding how to build a spatial portal, which leaves them to focus on their business and reduce their costs. This has been proven time and time again, and as a result our long term clients now have some of the best quality enterprise data in the market.

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iVAULT

Put your enterprise data on the map



About Pacific Alliance Technologies

Pacific Alliance Technologies provides proven geospatial solutions for companies to manage, query and analyze spatial information. Whether you are just starting in GIS or using a solution from Autodesk, Bentley, Google or ESRI, Pacific Alliance provides a range of GIS services – from helping you create and manage your data workflows, creating and setting up web mapping sites, to customizing your GIS with other systems. Drawing on our depth of GIS experience (120 combined years), you can rely on our total commitment to providing you the best combination of software and services. We help turn your projects and ideas into successful implementations!

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