



“Intetics created a GIS solution that made our decision-making faster and easier. It allowed us to focus on our customers and deliver superior investment advice.”

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CONSTRUCTION CONSULTANT REDUCES TIME TO MAKE INVESTMENT DECISIONS WITH GIS DATA MODEL BY INTETICS

OBJECTIVE

To develop and implement a GIS solution that determines the optimal location for new building construction based on an analysis of complex factors.

CHALLENGE

A major European construction consulting company needed to develop an electronic system for long-term scheduling of residential development. The client specialized in assisting their customers with choosing best locations for new buildings. The choice of suitable locations was based on a comprehensive analysis of urban development, using satellite images, ecological and social data, traffic information, and city master plans.

To serve their customers, the client created a model of the city that made it possible

to determine new attractive construction sites. Execution of such complex work every time, however, was time-consuming. Therefore, the client decided to create an application to automate the comprehensive analysis. They needed a knowledgeable partner with experience in spatial analysis to develop and implement an application based on their existing processes.

SOLUTION

After evaluating Intetics' experience in delivering GIS, data analysis and software solutions, the client asked Intetics to develop the application. Intetics formed a team of GIS developers, who cooperated closely with the client's staff. The close cooperation between the two teams allowed to detail the technical specifications precisely, so the new application would be consistent with the

THE SOLUTION IS USED TO ASSIST WITH CONSTRUCTION INVESTMENT DECISIONS IN EUROPE'S LARGEST CITIES.

customer's business processes.

After all requirements were known, Intetics team developed a distributed architecture for the project, which allowed automation of several analytical departments and their functions, creating a model of the city on the basis of their joint work. Further cooperating with the client's subject experts, the Intetics team developed and implemented a virtual model of the city, which provided forecasts of various locations and their investment profitability.

RESULTS

The close cooperation between Intetics and the construction consultant resulted in a distributed, fully functional GIS solution that united the work of different departments. It maximized the benefits that the construction consultant received from their GIS data. It reduced decision-making time from one week to a couple of days. The solution is now used to assist with construction investment decisions in biggest European cities.



QUICK FACTS

- ✓ *Investment decisions reduced from a week to days*
- ✓ *Automated a process of complex analysis*
- ✓ *Forecasted building location profitability*
- ✓ *Unified work of several different departments*

TOOLS AND TECHNOLOGIES

Programming languages and frameworks:

C#, .Net 4.5
ASP.NET MVC
ArcGIS Runtime SDK

Development Tools:

Visual Studio 2013
Ultimate

GIS Software:

ArcGIS Server