



*“Thank you, Intetics team! With your help we were able to significantly increase our efficiency and complete the project much earlier than scheduled!”*

[www.intetics.com](http://www.intetics.com)

© 1995-2015 Intetics Co

## GEOSPATIAL SERVICES PROVIDER TRIPLES PRODUCTION EFFICIENCY WITH POINT DATA PROCESSING SOLUTION BY INTETICS

### OBJECTIVE

*To help one of Europe's leading geospatial service providers effectively process large amounts of point data.*

### CHALLENGE

Europe's major geospatial services provider needed to update information in their POI (point of interest) database. This database needs to be updated regularly with new POIs from around the world. The updates have to be carried out quickly in order to provide users with the most relevant information.

The database update process included spatial analysis, data processing and geodatabase editing. All POI data were obtained from various sources and required verification and complex analysis. Up to now, most of the update work has been performed manually. Despite the fact that the client was experienced in spatial analysis and geospatial data processing, they needed an extra set of resources to process the big amount of data.

### SOLUTION

Seeing that Intetics has many years of experience in both geospatial data processing and software development, the geospatial services provider asked Intetics to help with data processing. First, the Intetics team conducted a preliminary analysis of the initial data. It was determined that the initial data had different positional accuracy and were stored in different formats. Moreover, the various data sources contained varied information about the same POI. As a result, the team decided to focus on data with the best positional accuracy and the most recent update date.

After determining which data points would be most useful to include, Intetics analyzed the client's data processing procedure to determine whether it can be optimized. Manual data processing was time-consuming, so instead, Intetics offered to automate the workflow.

After approval, Intetics formed a team that began

## THE APPLICATION ELIMINATED THE NEED FOR MANUAL DATA PROCESSING AND MADE POI'S MORE RELIABLE.

developing the application. The application had five main functions:

1. Download and consolidate information about POIs contained in different sources.
2. Find and remove duplicate records.
3. Identify potential duplicate records.
4. Determine the exact POI location on the basis of spatial analysis.
5. Add and edit entries in the database.

The first version of the application was developed and put into production in one month.

### RESULTS

As a result of working with Intetics, the European provider of geospatial services received a desktop GIS application that integrated with their work processes and allowed them to update their POI database faster.

The application eliminated the need for manual data processing. It allowed verification and editing of the final result, making POIs more reliable. Implementation of the application tripled the client's production efficiency.



### QUICK FACTS

- ✓ *Made production 3X more efficient*
- ✓ *Created an up-to-date POI database*
- ✓ *POI database more reliable with verified and editable data*
- ✓ *Eliminated need for manual data processing*

### TOOLS AND TECHNOLOGIES

#### Programming languages and frameworks:

C#, .Net 4.5  
WPF  
DotSpatial

#### Development Tools:

Visual Studio 2013 Ultimate