

Case Study: Web Development  
January 2008 – August 2008

# Department of Natural Resources

## Field Office Compliance Database

### Original Challenge

The Iowa Department of Natural Resources (DNR) contracted Genova for a Field Office Compliance application. The web application tracks and monitors complaints, compliance, investigations and inspection of sites, site visits and the results of these actions. Alleviating staff from report preparation, the application made all necessary reporting to field offices. It also made staffing assignments, making best use of staff.

The scope of the development included design additions to an existing DNR SQL Server database and migrating data from server field offices into the SQL Server additions.

### Genova Solution

Initial requirements were provided by the DNR staff. Genova performed all development tasks on the project, including schedule and budget management. Genova was also responsible for documentation and complete testing, according to the project test plan. Installation, data migration, as well as training and support duties were also handled by Genova. Final acceptance testing was performed by DNR staff at their facility.

To control the negative impact of late project changes, Genova custom designed and developed an ASP.NET solution. This solution was written in C# utilizing AJAX, JavaScript, Microsoft SQL Server and Microsoft SQL Reporting Services. Genova cooperated with DNR staff to install and integrate the software solution on DNR servers.

### Future Benefits

A modification in DNR server usage, from decentralized servers to a centralized field office server, required changes to the initial scope of requirements. Genova quickly handled the changes and provided a solution on time and on budget.