

## Case Study

# Montgomery Watson Harza (MWH)

Building infrastructure in developing nations is a challenging proposition often requiring incredible coordination and skill. Organizing construction, power generation, facilities and government relations can be a daunting task that is often compounded by a language barrier. Add to this the constant pressures of a tight deadline and you have project management on a very large scale. One company that specializes in this level of project services and integration is Colorado based engineering firm MWH Global. With over 6,100 specialists in over 36 countries, MWH provides solutions to governments around the globe for a variety of integrated solutions. As one of the world's top three experts on power and water issues, they've designed, constructed and managed many of the largest projects in the world.



MWH provides solutions around the world.

**The Issue** - Managing large projects often requires input and communication from a vast team of participants. Whether the participants are consultants, clients or government officials, they need to know the status of a project at any given moment including the data that is relevant to them. Government participants need to know what permits are required as well as regulations surrounding the project. Clients wish to chart progress in relation to the time expended while the consultants require access to their task lists for the current job. The different participants also need to work with each other on the projects which involves the creation and routing of web-based forms. All of this knowledge also needs to be accessed in a secure manner from the web so a participant could access their data from anywhere in the world.

As a result of these specific requirements, MWH Global contacted Alphalogix, a California based collaborative solutions company. Alphalogix specializes in enterprise collaboration systems to surround and extend a company's infrastructure. In the case of MWH Global, Alphalogix was able to implement a collaborative project intranet or portal to accommodate the requirements of each project. By using Alphalogix's solution, MWH Global has been able to communicate more effectively with customers by providing a central, secure place to share information in a collaborative environment.

In addition to utilizing Alphalogix to implement and customize the portal to suit MWH Global's needs, Alphalogix also implemented their product Forms Director to easily create entire workflow applications using web-based forms.

**The Solution** - Alphalogix leveraged their expertise in collaborative technology to implement portals for each MWH Global project. As different projects require different applications and data, Alphalogix then created custom applications that function within the portal (termed portlets) specific to the requirements of the particular project. In order to ensure that all the participants are 'on the same page' and are able to collaborate on the project, Alphalogix deployed Forms Director with every portal and aided in the creation of workflows specific to each project.

By integrating Forms Director with the portal solution, participants could create forms ranging from project plans to status updates and route them through an approval cycle all from the consistent interface of the portal. Forms Director includes an easy-to-use interface to create workflows and route forms within the portal. Participants may create custom forms, use predetermined templates or import forms via XML for routing. Once the form is created, workflow rules and routing information are applied. This information can be viewed graphically to assist the participant in creating accurate workflow rules.

**The Result** - Since the deployment of the Alphalogix solution, MWH Global has increased communication with their customers by providing one central place to exchange information. Using Forms Director has reduced the lagtime throughout a project as reminders are sent when actions are required in a workflow. As a result, it is easier to keep projects on schedule and under budget with the Alphalogix solution.

**The Future** - What does the future hold for MWH Global? They will continue to grow with Alphalogix and provide collaborative environments for all their partners.



MWH - A one stop solution for a variety of infrastructure projects

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