

## Solution Overview

### Industry

Construction - Steel Detailing

### Company Profile

The client is a technology driven company offering structural steel detailing services for US, UK and Middle East construction companies. Detailing is done using AutoCAD and other modeling software (Tekla). The finished drawings that are detailed by them are then sent to their clients for Planning, Approval and Shop.

### Benefits

- Improved performance in maintaining large volume of data
- All the data will be available in click of a button. Data from various locations will be merged into a single centralized location through SQL Server's Replication process
- Highly flexible and extensive search queries for drilled down analysis
- Automatic reviewing system helps them to keep track of all changes made
- Attracted new customers and orders with the effective web based reporting system

### Technology Used

- Microsoft .NET Framework 3.0
- Microsoft SQL Server 2005
- SQL Server Reporting Services (SSRS)
- SharePoint Services 3.0
- Windows Communication Foundation (WCF)
- Infragistics Controls

### Partner



Congruent Info-Tech Pvt. Ltd

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

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## *Client selected Congruent as their partner for developing and implementing a Project Management Solution*

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## Client Situation

The client felt the need for a system for storing and maintaining large volumes of drawings to and from customers in an organized manner and a steel detailing project management solution that will co-ordinate their operations end-to-end. They wanted very fast data retrieval and an extensive reporting system. Also there was a need for a dynamic client portal where the end clients of our client could login and monitor the status of their projects.

## Congruent's Solution

- Designed and developed a project management solution that will ease their operations
- Extensively used SharePoint and FTP as a data storage medium for storing all their valuable documents related to their projects
- Designed and developed reports to keep them updated of all their activities
- Designed and developed a client portal for their customers to know the status of their projects through extensible reports and enquiries

## Congruent Key Challenges

- Analyze the Tekla output and streamline the upload and import of data
- Create dynamic Advance Bill of Materials report based on the user inputs
- Implement Alphanumeric sorting in Infragistics grid
- Exhibit Transactional replication among several databases across the globe
- Provide role based security system
- Provide automatic batch processing of mails