

## CASE STUDY

# Development of a Project Management Intranet Portal

### Company Description

A leading supplier of high-value consultancy, engineering, and project management services to the world's energy, power and process industries.

### Project Objective

Build a feature rich, easy to use project management intranet portal for engineering project managers around the globe to manage resources, control costs and accurately report financial progress on projects.

### Customer Challenges

The customer runs several projects around the globe. The process involved required consolidation of this information from a diverse set of back-end applications to manage the projects and make key financial decisions based on the progress.

The existing intranet web applications served via a portal that ran this process and provided this information to managers had several core defects such as hard coded functionality, data duplication, redundancy, poor usability and inflexible reporting systems. The report generated for decision making had errors; it was slow and further constrained by the lack of flexibility in parameters and display option The company wanted rewrite this portal using the latest technologies and build-in a flexible dynamic reporting solution that would delight users and management by facilitating more rapid, accurate data access for decision making.

### Trigent's Solution

Trigent developed the portal using Java/J2EE using Spring and Hibernate to the enhance performance and add flexibility as well as ease of use. A completely new User Interface was built for the system. The data taken from transactional databases was consolidated into a data warehouse, redundancy and duplication was eliminated. A new flexible and fast reporting engine using Crystal Reports was developed which supported 60 types of financial reports. Report preparation was user configurable and supported several document formats.

### Client Benefits

- ❑ Usability - Click through time and effort was reduced substantially
- ❑ Over 600 concurrent users could generate reports easily with a 80% faster response time
- ❑ Support for ad-hoc user generated report generation
- ❑ Easy scheduling of notifications & desired reports
- ❑ Reporting & decision making on project costs & progress was made easier & faster

#### Client

A £2.6 billion global provider of high value consultancy, engineering and project management to the world's energy, power and process industries

#### Project Objective

To develop a highly interactive, scalable project management reporting and decision making intranet solution for senior management

#### Technology

- ✓ J2EE
- ✓ AJAX
- ✓ Crystal Reports
- ✓ Spring & Hibernate

#### Benefits

- ✓ Enhance usability
- ✓ Faster response time for generating reports
- ✓ Highly scalable solution to support large no of users
- ✓ User generated dynamic reporting features supported
- ✓ Simple & easy scheduling of report generation & notifications