

## Client benefits from a reduction of 40% on TCO as compared to original onsite in-house development

### Project

Keyword search system

### Technology Used

Java, J2EE,  
BEA Weblogic,  
Oracle 9i,  
HTML,  
XML,  
XSLT,  
DHTML, Javascript,  
UML,  
Rational,  
Mercury  
Test director,  
MS Projec



### Business Needs

The client's facilities team maintained a list of strict standards that needed to be followed during building, maintenance and ongoing management of manufacturing facilities worldwide. As part of the standards, the team referred to a list for each activity but only simple queries were available. There were no centralized systems or authoritative sources that kept all recent updates and corrections in the standards list. Only a file-based standards checklist was being used to verify activities. It was impossible for the users to perform comprehensive & complex searches, and valuable time was being spent in preparing checklists for each activity.

### Solution

Fulcrum Logic proposed a Java/J2EE based custom web-based solution to fulfill project requirements and milestones. The project was

architected in accordance with Seagate's enterprise architecture roadmap. Our solution provided multiple web-based interfaces for users to effectively search and create checklists for different construction activities. It also facilitated access level-based secured interface for administration.

Fulcrum Logic proposed a unique development approach to implement the solution that was right blend of onsite, near-shore and offshore resources. The ROI was clearly defined in the beginning and was effectively achieved within the desired cost and implementation timeframe. Onsite phases included requirement management, solution design, project co-ordination with stakeholders, project management, testing, deployment and training. Near shore and offshore components substituted design, coding and development, and documentation aspects.

### Brief History

The client group is responsible for providing facilities management services to 46000+ employees worldwide, and building & managing manufacturing facilities for disk drives spanned across the globe from Americas to Europe to Asia.

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policy administration and included a payment gateway for online transactions, as well as email and SMS gateways for instant alerts. As the use of “selective” outsourcing grows, customers have found themselves needing to manage multiple vendors that provide different services in different ways, all of which require a high level of co-ordination. Fulcrum executed this project along with Microsoft and complemented a vendor that provided business consultancy in the insurance domain.

### Benefits:

- Authoritative and unified standards available for construction team.
- 80% reduction in search and checklist preparation time for each construction activity
- Centrally managed solution that reduced the burden of managing individual activities files
- Browser accessible
- Shared desktop kiosk to allow users to use the system.

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