

IT Solutions for Delivering Enhanced Integrated Planning in a Utility

Mike Stapleton - 113223098

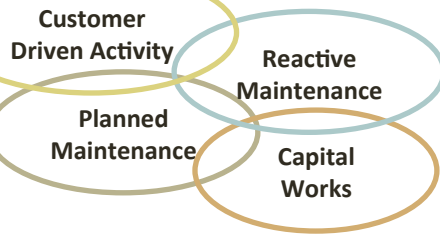
CE 6014 - Computer Mediated Communication

Project Proposal: 9th Oct 2013

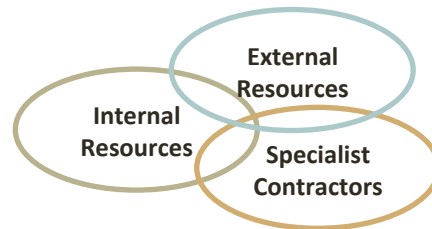
Problem

- Many planning challenges facing a utility:

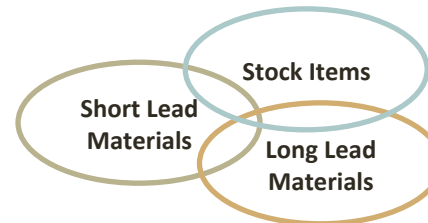
Activities



Resources



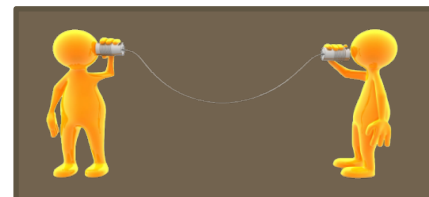
Materials



Large Location



- Integrated planning key to:
 - Optimise internal labour usage, reduce overtime and manage materials / stock efficiently.
 - Predict times when external resources will be required.
 - Ensure resource availability for capital projects without falling behind on maintenance.
 - Share knowledge dynamically between departments.
 - Identify efficiency opportunities.
- Communication is key.



Objectives

- Investigate methods of delivering enhanced integrated planning in a utility through IT solutions.
- Explore and make recommendation on a number of different elements of integrated planning:
 - Manpower and materials planning / forecasting (through the use of a Work Management IT Solution including mobile field force management).
 - Knowledge sharing and collaboration across different departments (through the use of a knowledge repository / collaboration tool such as Sharepoint).
 - Dynamic reporting and identification of efficiency opportunities (through the use of a data warehouse and reporting suite).
- This project will look at the technologies available to deliver these objectives and present options for facilitating / enhancing integrated planning in a utility.



Solution

- Manpower and materials planning / forecasting solutions compared and contrasted.
- Knowledge sharing and collaboration solutions compared and contrasted.
- Reporting solutions compared and contrasted.
- Case study explored and solution outlined.

