



Case Study

Application Review – Works Orders Production Lindsey Marsh Internal Drainage Board

Integrated Projects:
Solving your
problems

Saving you
money!

Background

The drainage board is responsible for managing over 900 Km of linear water networks across 800 individual channels in Lincolnshire. Its primary role is to protect land and property from flooding whilst maintaining the environment around its network, to meet conservation obligations agreed with statutory bodies such as Defra and English Nature.

Problem

The board has to undertake maintenance work on the network on an annual basis to ensure the network can carry the volumes of water needed to ensure flooding does not happen.

Works maintenance orders were produced manually by works supervisors who photocopied maps and marked them up in pen. These were given to the direct labour force as work sheets that they added worked hours on to, along with details of any plant used to perform the works.

Being paper based, the procedure was laborious and time consuming, required multiple staff, and records of work were getting 'lost' due to filing errors.

In the main, the staff's computer skills were little or non-existent, so ease of use was critical.

Solution

An application was created which allows the works supervisor to create all works orders and on return from the works staff, update the orders with time details. The application automatically stores and updates the records as the process is tracked through to completion, by automatically recording all works operational details and maintenance history into several databases simultaneously.

The application was built using web browsers and the client's own intranet network allowing controlled access to the data to all staff.

The process utilises a 'wizard' approach and keyboard or database skills are not required.

Benefits

Production time reduced from 2 people and 1 day to 1 person and 5 minutes.

Engineering managers can view operational maintenance details and history at a glance.

Can be linked to financial systems to provide automatic labour-rate and plant-costing charges against a pre-defined budget.

Delivery

From concept to commissioning in 3 months.