Eggborough

Introduction

Eggborough Power has been constructing power stations since 1962 and supplying electricity to the National Grid in the United Kingdom since 1967. The task of generating electricity is an obvious necessity for anyone living in a populated area, but the process of acquiring it is often an unsung task. By using a variety of methods to generate electricity including turbines, boilers, biomass and pulverized fuel ash, Eggborough is able to generate enough energy to power 2 million homes. And in order to run efficiently, the staff at Eggborough needs to make sure that the energy they are providing is being used with little to no waste at all times.

The Problem

In order to monitor the plant's performance and find out where potential improvements could be made, Eggborough needed to make decisions based on reports. According to Chris Phillipson, Business Systems Architect for Eggborough Power this meant scanning through the database daily and looking for anomalies hidden amongst rows and rows of data. This was both time consuming and an ineffective way of figuring out where potential improvements could be made.

The Solution

Chris began using Dundas Dashboards to monitor the plant performance. "We look at cost of losses to figure out the performance of each unit" explained Mr. Phillipson. "We also look at how much it costs and where we're spending the work." By implementing these dashboards, Chris no longer had to rely on their old reporting services. The effects were dramatic, "[Dundas] has helped us reduce about 600,000 pound off the bottom line of our electricity costs."

The Benefits

"What made Dundas stand out was the ability to easily download it, put it on a computer, connect it to a database and use it. We're able to say to people 'this is what we could do!'" And as the only person designing

the dashboards for such a large company, Chris' time is valuable. "There was nothing on the market that could deploy as rapidly as Dundas. Once I realized how easy it was to set-up and deploy, the rest was quick and simple." And the benefits don't stop at the 600,000 pound savings. Thanks to Dundas, Eggborough is a safer place to work. "We've strengthened our alarm systems analysis because we've been able to do some queries for health and safety and present that graphically" explains Chris.