

BUSINESS INTELLIGENCE SOLUTION

“ From the beginning of this project the Dataworks team worked in partnership with us to deliver a solution that has exceeded our expectations. The ability to visualise essential information in this way has had unexpected benefits allowing us to drive strategy, decision making and Continuous Improvement within the organisation.”

Head of Continuous Improvement and Innovation, Cork.



THE CHALLENGE

Our client, a large medical device company, operating a 24x7 manufacturing facility in Co. Cork utilised Project Portfolio Management software to manage vast numbers of ideas, charters and projects worldwide across multiple sites. Raw data entered produced cumulative data showing essential figures such as capital costs, projected savings versus actual savings and other necessary information used to support decision making at management level.

The inability to easily filter the information and the lack of visualisation led the client to secure Dataworks to develop an innovative solution that would allow them to visualise the data produced in an easily digestible pipeline format, while also giving them greater control by being able to drill down and analyse the data as required.

This functionality enabled the client to drive strategy, decisions and meetings at a management, department and line level. The requirement for scalability dictated that the solution needed to be product and process independent enabling it to be rolled out to manufacturing facilities worldwide.

DATAWORKS ROLE

FORMULATING THE OPTIMAL SOLUTION

With each project delivered we use the Dataworks Software Development Life Cycle as a roadmap. This process has been developed, tested and perfected over the past 20 years and has proven to yield exceptional results when formulating an Optimal Solution in partnership with our clients.

At the outset it was crucial that we fully understood the issues the client needed to address. This enabled us to define the true business need for this project. It is essential that we fully appreciate our clients' challenges and business environment so we can deliver a targeted solution that resolves the issue at hand.

Once this was defined we briefed our innovation team to guarantee all options available were considered. Throughout the entire development process key iteration stakeholders

from Dataworks and the clients Continuous Improvement team were frequently assembled to focus on, and address, the key requirement. The Optimal Solution was teased out over the course of the project with the development team focusing on each piece of functionality in isolation. This focus and feedback throughout the process enabled us to change the direction of the project early where needed. Ultimately taking this iterative approach allowed for greater control and value creation when developing and tailoring the software to our client's needs.

By applying the process detailed in our redefined Software Development Life Cycle this development project was delivered within the agreed timescale and on budget. The result ensured real business benefits, improved efficiencies and cost savings for the client.

THE OPTIMAL SOLUTION & USER ACCEPTANCE

Taking a hybrid approach, the key resolution for this project included ICONICS "off the shelf" products coupled with a bespoke development on the Microsoft stack for its cross platform functionality. Dataworks is partnered with both Microsoft and ICONICS Ireland – our partnerships coupled with our extensive expertise allowed us to configure complimentary technologies ensuring the optimal solution to match the clients' specific business process requirements.

Taking raw data from a globally hosted project management system, the custom software delivered visualises this data in the form of a live dashboard, accessible across multiple platforms, including a mobile format, allowing the client to see a pipeline for the data entered as required.

TECHNOLOGIES AND ARCHITECTURE:

ICONICS technology used as ETL layer, ASP:MVC application as middleware, with Angular JS front end used to visualise and manipulate data extracted by ICONICS technology.

CORE BUSINESS BENEFITS

TIMESAVING FOR PROGRAM AND PROJECT MANAGER

Huge amount of time previously spent by program managers analysing the excel sheets produced, crunching data, developing graphs and charts is now saved allowing them to spend this time to analyse the data and effect meaningful change based on the results.

DATA AT FINGERTIPS

Easy filtering of data is now readily available to assist management decision making.

SCALABILITY

What began as a single site initiative within the innovation team in on site in Cork is now rolling out to other locations within our clients' enterprise globally. This is now the multi-site standard for Continuous Improvement and Innovation.

CONTACT US

Tel: +353 (0)51 878 555
Fax: +353 (0)51 857 377
Web: www.dataworks.ie