

Case Study: UK Coal Harworth Power Division

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Background:

Harworth power division initiated a comprehensive program to provide alternative energy sources based on windmill turbine technology on real estate owned by UK Coal.

The challenge:

UK Coal needed a solution to assist in the approval process with authorities, planning commissions, general public & public relations so as to handle objections to the program and calm fears concerning environmental issues.

UK coal executive management strategically decided that 3D visualization must be conducted in-house rather than be outsourced. The considerations were based on the control requirements over the complete presentation development process.

The existing visualization packages at UK Coal enabled only static executables that offered only limited and predetermined visualization capabilities that did not provide flexibility to changes and revisions, creating high development costs and long response times that hindered the project approval process. Updating 3D visualizations with revised project files was a task that would take hours on end

The survey data for the project is based on GIS data, and therefore Harworth Power decided to upgrade to Autodesk MAP 3D in conjunction with RDV

The solution:

MicroCAD, a leading reseller of Autodesk software in the UK, offered Autodesk's 3D mapping in conjunction with RDV's 3D visualization solution.

The drawing office, although new to MAP3D, required only a few days of training along with a half a day of training with RDV to begin creating 3D visualizations, taking MAP3D data into RDV and draping aerial photographs to produce 3D visualizations with a fly through over the actual plan.

Data files from the 2D packages currently available are imported into MAP 3D and used to create the 3D visualizations with RDV.

Benefits:

- A compelling solution to effectively communicate plans and persuade authorities and non-engineers that the proposed project will neither harm the environment nor obstruct the flight paths at Birmingham airport
- Reduced costs associated with outsourcing of 3D visualization development
- Significantly increased flexibility by enabling immediate updates to 3D visualizations directly through MAP3D
- A compelling solution to dynamically communicate projects in all visual aspects, resulting in significantly shorter presentation and review processes that save enormous amounts of time and money

About RDV Systems:

RDV Systems is a dynamic company that has quickly emerged as a leader in Building Infrastructure and GIS visualization. Its unique approach to modeling and simulation of complex engineering projects is revolutionizing the way the Building Infrastructure and GIS community use visualization to evaluate, communicate, Analyze and publish their projects.

RDV Systems is a subsidiary of the DataSafe group with corporate headquarters in Lod, Israel

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