

Electronic 3D Modelling

Case Study - UAV Flight Simulation over Enemy Terrain

The Problem - Our client, a UK-based Defence Technology Centre needed to demonstrate the feasibility of the use of Commercial-Off-The-Shelf (COTS) gaming software to simulate the flight of an Unmanned Aerial Vehicle (UAV) over enemy terrain. This could then be used for scenario-based operational training.



The Opportunity - E3DM was given a simple brief of a virtual village as the basis for developing a 3D model. Our existing library of photos and material textures provided the means of addressing the client requirement in an iterative manner.

The Deliverables - Using various 2D drawings and our standard library of enabling 3D modelling and simulation tools, our designers developed a bespoke product in close association and under the guidance of course instructors.

The Benefits to Our Clients

- » High-quality, flexible and efficient training package
- » Rapid turn-around of specific one-off projects
- » Able to work with minimal source data
- » Responsive to clients' requests and project specification changes
- » Model formats compatible with many Virtual Reality (VR), Systems Engineering (SE) and games engine rendering toolkits.

About E3dm - We are a pioneering company in the use of 3D modelling and animation for improved visual learning in various market sectors (commercial, industrial, engineering, architecture and transport). E3dm offers three major benefits to our clients:

1. **Fast turnaround** - from the time you discuss your brief with us (by phone or on-line), share your design or drawings to the delivery of our 3d models, animation or a complete visual solution for operational walkthroughs or maintenance training purposes;
2. **Quality of our services, delivery and support** is second to none and fit for your purpose - we are ISO9001:2000 accredited;
3. **Added-value and lower costs** - allows you to do things you did not imagine was possible before. In order to find-out, all you need to do is just discuss the outline of your assignment with us and we will give you a ball-park figure quickly to assist you with demonstrating a business case to your organisation.

Testimonials

"I was very impressed with the detail you managed to achieve, given the limited source data of 3 low-resolution photographs from the Web ..."

"... what you've achieved in such a short space of time is very impressive indeed"

"This kind of modelling resource is second-to-none in terms of speed and accuracy of developments and affordability".

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