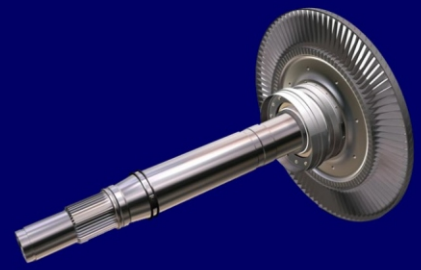
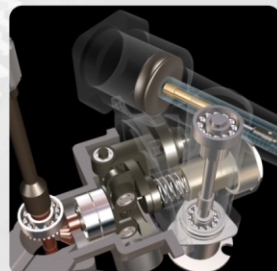
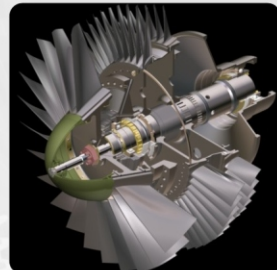
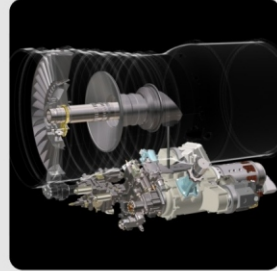


Electronic 3D Modelling



Testimonials

"The ... images are very nice indeed."
"... what's been achieved in such a short space of time is very impressive"



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Case Study - Computer-based Training of Aircraft Engine

The Problem and Our Solution - Our client, an overseas aircraft operator, required approximately twelve new operation and maintenance personnel to be trained on a quarterly basis for a period of seven weeks. These personnel are located at three different locations where the aircraft engines are in use. They only had one training facility but not adequate experienced instructors as these were in short supply and mainly deployed in operations. There was also a shortage of stripped parts to be used on a hands-on basis by maintenance trainees. Lack of any other computerised and/or audio-visual training aids resulted in increased training time and ineffective learning outcomes. Moreover there was a lack of interactive facilities for the trainees when they returned to their base location to be able to refresh their knowledge and or to consult with in cases of any problems or queries. E3DM provided the means for visualisation of the inner workings of the aircraft engine. The application of animation technology addressed client's needs by the provision of a computer-based training (CBT) package.

The Business Case - The client was interested to invest in producing an aircraft engine 3D simulation based training program that provided two advantages: Firstly, capturing the knowledge on the best or most experienced instructors along with accurate 2D drawings to provide a one-off product that is re-produced and used for training as well as an interactive reference manual; and secondly reducing the training period, cycle and the need for courses in a central location. The savings that were calculated to justify the business case showed a very high rate of return on investments over the whole lifetime of the engine.

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

- » High-quality, flexible and efficient training package;
- » Seven weeks off-base training time was reduced to a mere two weeks;
- » Enabling long-term and continuous self-learning process;
- » Improved retention of information due to better visualization features.
- » Precise tracking and measurability of the courses including provision of advanced automated quiz/test system.

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.