

Incalculable Benefits through KeyShot Visuals

Technomot Limited

Technomot is a small design consultancy specialising in large-bore diesel and gas engines for industrial, marine and rail traction applications. Technomot's experience covers engine displacements up to 1,500 Litres (equivalent to a thousand VW Golfs) and because the engines are so large, investment costs are considerable and component lead-times can be up to a year.

Customer Voice



"KeyShot provides incalculable value by enabling us to present engine concepts to prospective customers early in the design process. In addition we can communicate design and manufacturing issues to our suppliers using Animation and interactive VR visuals more clearly than ever before."

Norman Hadley, Principal Design Engineer, Technomot Limited

Business Drivers

Technomot uses PTC Creo to model the complex forgings and castings that make a modern, high-performance engine. Cylinder heads, for example, require advanced surfacing techniques to represent the swept ports and cooling galleries inside.

Products and Solutions from INNEO

- PTC Creo
- KeyShot Pro (including Animation and KeyShotVR)

Results

Keyshot has a vital role to play in presenting an engine concept. Early in the design process, it is possible to create compelling visualisations of the product in its application and progressively refine that visualisation as detail is added. This has incalculable benefit in securing customer buy-in.

"We've developed the usage of Keyshot far beyond the traditional, customer-facing way of generating images for brochures and websites. We use photo-realistic images in our internal reviews, to better communicate design concepts. We can generate high-quality images for Technical Publications, long before there is a real engine to photograph and we can generate interactive virtual-reality images to communicate our designs to suppliers. Instead of a sheaf of drawings, anyone with a tablet, smartphone or PC can turn the virtual component on the screen, instantly grasping the manufacturing issues".

CUSTOMER INFORMATION



Technomot Limited
www.technomot.com

Industry: Design Consulting for heavy-duty marine, rail traction and industrial engines



Side view of a rocker bracket, KeyShot rendering



Cam arrangement, KeyShot rendering

Direct Contact

Want to know more about this reference? No problem. If you have any questions, our customer would be happy to give you any information you may need. Just ask us for contact details.

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