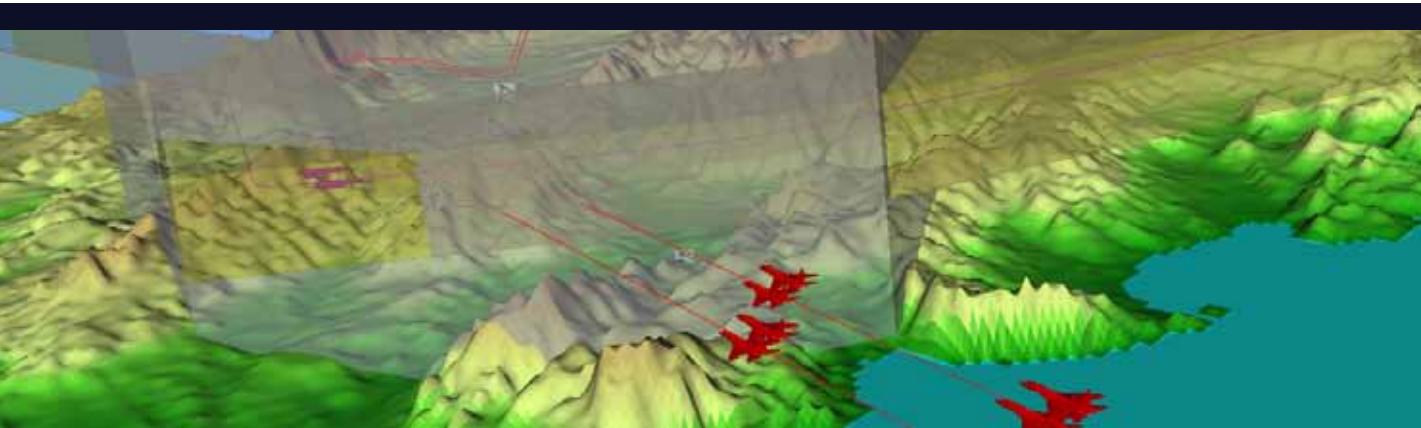


Customer Spotlight

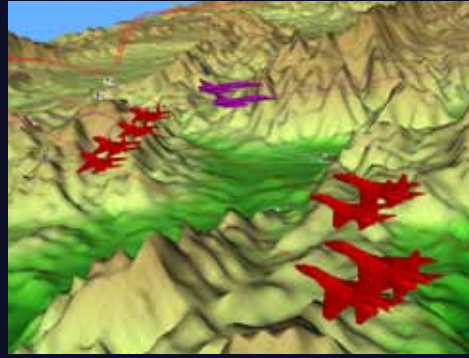
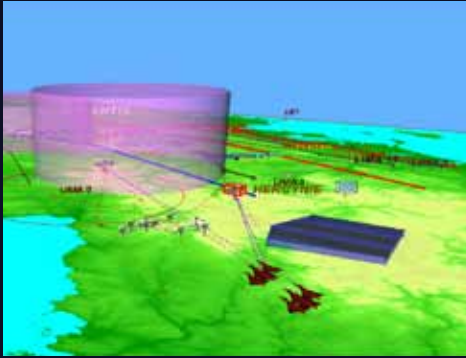
CESTA Odessa powered by Open Inventor®

Optimizing ground-based air defence systems



CESTA is an independent service company specialized in the development of original software tools for the Ministry of Defence. For 30 years, it has developed very numerous models for the study or use of new systems of Defence.

Optimizing ground-based air defence systems



Odessa is at the same time a war game and a serious game developed in cooperation with DGA and the French Ministry of Defence. The objective is to develop an assistant tool for the artillery in case of air threats, especially the implementation of missiles ground-based air systems during the preparation of their missions and for tactical thinking.

Odessa software performs evaluation and optimization of the ground-based air defence.

On a digital ground, odessa simulates the behaviour of the French weapon systems in front of a simulated air situation. Taking into account the rules of 3D coordination (ACO), Odessa simulates the engagements of the weapon systems against air raids. Odessa can also be easily customized with any foreign weapon and take it into account.

Today, used by the French Artillery School of Draguignan, Odessa will be available in the French Army in 2009.

The Odessa application must allow to spread a complete device of anti-aircraft defence on real ground which can be chosen in any region of the world. The consideration of the digitized ground in its 3D aspects is fundamental for the software. "The Open Inventor® choice allowed a fast development of 3D layers". says Pierre HUNAULT, PDG of CESTA.

"We appreciate the 3D display facilities of **Open Inventor®**. They allow to quickly develop displays in statics as well as dynamic animations. It also allow an increase in productivity in the simulation functions for the calculations connected to the intervisibility and to the consideration of the 3D objects in the space and on the digitized ground."

Images: CESTA

About Open Inventor®

Open Inventor® by Mercury provides the power and functionality of OpenGL® at an object-oriented level. Its extensible architecture, its large set of advanced components, including seamless integration between visualization and GPU computation, provide developers with a high-level platform for rapid development of the most demanding 3D graphics applications.

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