DRIVE™

rapid prototyping for information visualization
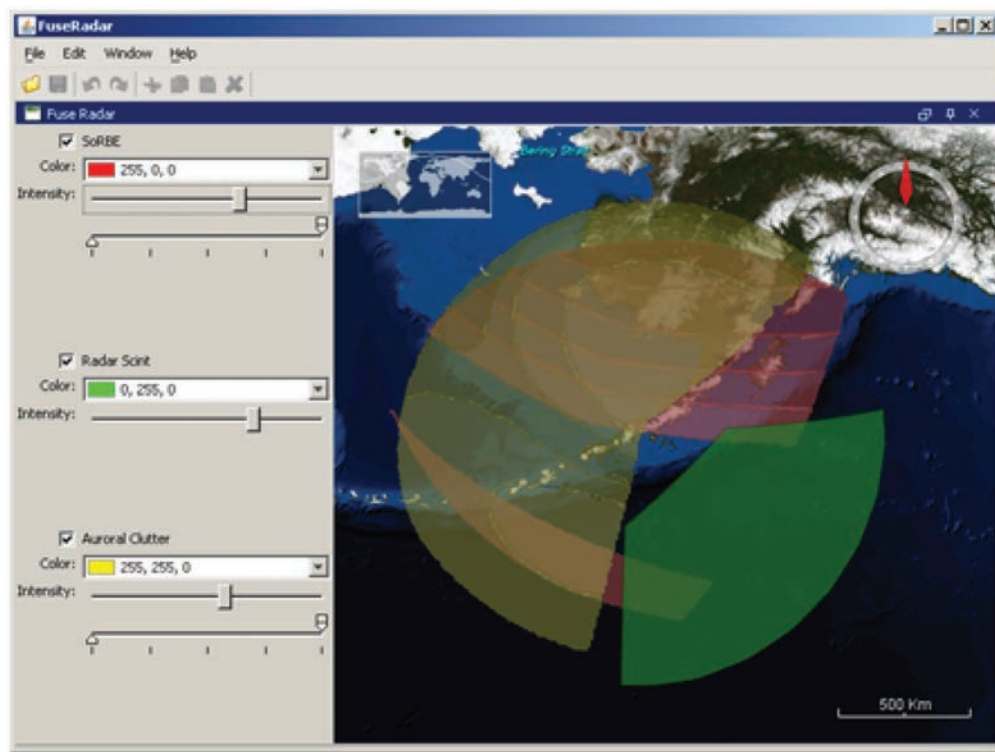
charles river analytics

CAPABILITIES

DRIVE™, the Dynamic Rendering and Information Visualization Engine, is a software tool that lets you rapidly prototype, develop, and refine visualizations in UI interfaces, geospatial environments, and other scene-graph architectures. This approach allows cohesive visual momentum between visualizations that allow you to quickly understand visually complex data representations across different displays.

ARCHITECTURE

- **DRIVE** supports the rapid design, development, and evaluation of display concepts.

- **DRIVE** is ontology-based, providing its own simple and extendable visualization language for non-programmers to easily make changes to their visualization design.

- **DRIVE** allows display designers and software engineers to evaluate visualizations in user tests faster than with standard visualization tools.

Development of high-fidelity visualizations for quick prototypes is a time consuming task. Scientists and software engineers at Charles River Analytics had the need for a tool that allowed quick experimentation with different visual representations without sacrificing visual richness. They developed DRIVE to allow rapidly configurable mappings between elements of information models and the visual techniques used to represent them, enabling the quick generation and iteration of designs. DRIVE supports the development of high-fidelity visualizations and impressive effects while maintaining flexibility, allowing you to quickly develop and test feature rich visualizations.