

## Client Type: Government Systems

**The Challenge:** A large government contractor approached InfoTech with a requirement for developing a simulator for an existing defense application. The challenge was to offer a product that: (i) was compatible with both legacy and modern hardware, (ii) was fast and reliable; and (iii) provided complex 2D and 3D visualization metaphors to empower the users.

**The Solution Provided:** InfoTech assigned a team of highly-trained PhD's to study, analyze, and formalize the requirements of the application and the user interface. The team then designed and developed the simulator which met all performance and portability requirements. The team also developed a detailed User Documentation manual, following IEEE guidelines, in order to support both experienced and trainee level users.

**Current Status:** The simulator is in full use by the defense contractor for both training and business development purposes.

### Technical Solutions Implemented:

1. Architecture: Microsoft DirectX 9.
2. Graphics: Advanced 2D and 3D graphical algorithms.
3. Analysis: Data mining and custom charting with dynamic configuration