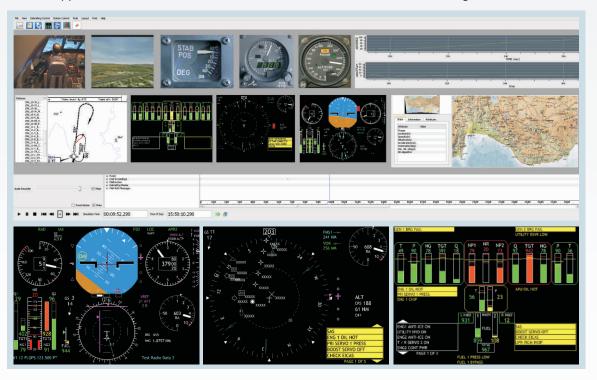## DBtron™ - Simulation Debrief and AAR

KaTron's DBtron™ is a next-generation Simulation Debrief and After Action Review software that provides a complete modular solution for all kinds of simulator applications. DBtron™ debriefs the following items of a recorded simulator exercise or a recorded simulation run:

+ Tactical Displays
+ MFDs (PFD, EICAS, ND)
+ Analog Cockpit Displays
+ Approach Patterns (Jeppesen Charts)
+ 2D Flight Plots
+ 3D Stealth View
+ Video Channels Playback
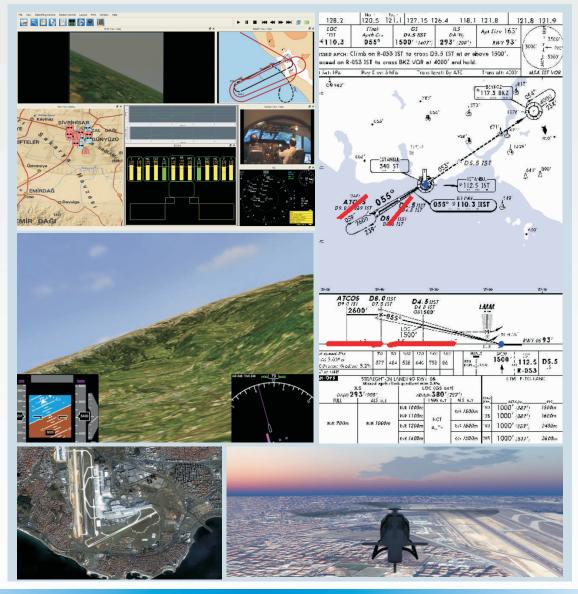+ Audio Channels Playback

DBtron™ Features

+ Multi Platform
    + Works on Windows and Linux
    + Ready to be compiled on other platforms
+ Multi Monitor Support
    + Can be configured to run on any number of displays arranged in any shape
+ Multi Speed Playback
    + All records can be played at 0.5x – 16x speeds with all visuals in sync
+ Tactical Display
    + Displays the entities participated in the recorded exercise on a 2D map
    + Supports DIS or HLA records (HLA 1.3 or 1516)
    + The underlying map can be DTED, FLT or any vector height map
    + Raster maps can be overlayed on top of the height map
    + Supports various coordinate systems including Geodetic, Geocentric and UTM
    + Supports various datums and includes the coordinate transformation algorithms

DBtron™ - Simulation Debrief and AAR

- **+** Event Viewer
  - **+** All recorded events including automatically configured or manually entered malfunctions, limit exceedings or messages are displayed on the event viewer window
- **+** DBtron™ can display various MFD displays of rotary and fixed wing aircraft with submodes
- **+** Jeppesen charts can be imported to DBtron™ and entity positions with histories are plotted on charts
- **+** Any data recorded by any data recorder can be used to visualize the flight plots
- **+** Captured and encoded video and audio are displayed in synchronization with other recorded data
- **+** 3D Stealth View
  - **+** With the 3D models of the terrain and entities in OpenFlight format, all the recorded entities can be displayed on the 3D Stealth View
  - **+** The entity information can be read from HLA or DIS records
- **+** 3D Flight Controllers
  - **+** 3D cockpit of the vehicle is displayed and flight controllers are set in motion using the recorded data
  - **+** Any kind of cockpit can be visualized with high resolution imagery
- **+** Requires MAK RTI and MAK Data Logger