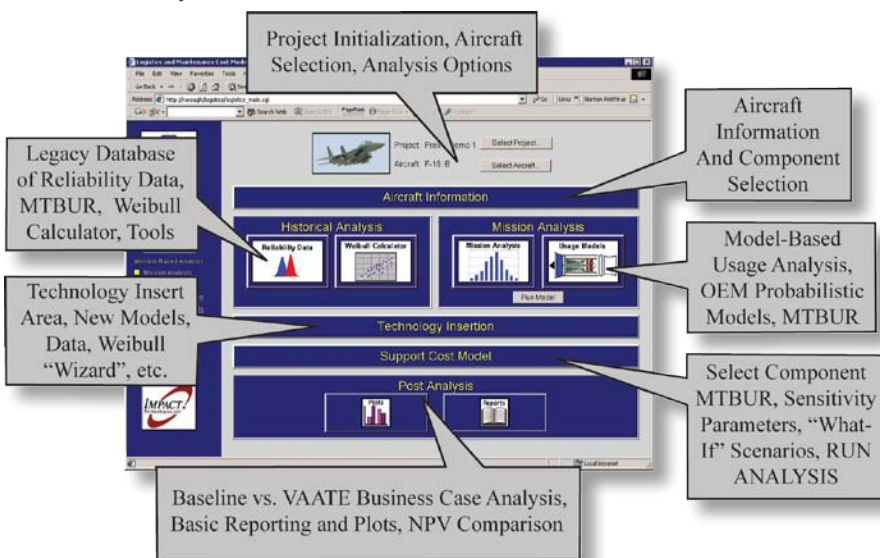


# Mission-Based Aircraft Support Cost Analysis System



*Better accuracy at assessing aircraft system operating & support costs*

Impact Technologies is developing a web-based software application that is capable of performing mission-based logistics and maintenance simulation analysis for the end goal of more accurately assessing aircraft system operating and support costs. The simulation-based program will integrate multiple sources of legacy mission and usage data with various air vehicle support cost models to evaluate aircraft maintenance and support costs in terms of leading cost drivers and component failure modes. A unique aspect of this program is related to the capability of performing simulation-based usage analysis for a fleet of aircraft and correlating it with critical aircraft component failures, resulting maintenance required and the associated life cycle costs.



## Features:

- Web-Based, Open-Systems application that can integrate 3rd-party usage and cost models
- Interface with existing USAF information systems such as AFTOC
- Mission-Based usage simulation accounts for variations from original design
- Incorporates physics-based usage models to assess component improvements

## Benefits:

- Predict the cost and sensitivity associated with specific aircraft usage patterns
- Enhance air vehicle cost assessments for component technology insertions
- Expandable to new or legacy aircraft in a fleet

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