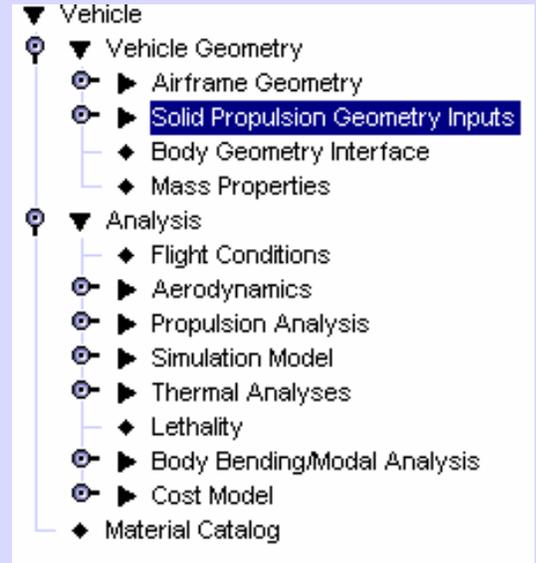


Interactive Missile Design (IMD)

Developed by TechnoSoft and a major defense contractor, the IMD System is an AML-based application that integrates multidisciplinary, system-level, missile design and analysis processes coupled with cost estimation.

The IMD system has helped missile designers win several programs enabling rapid design and analysis of conceptual and preliminary missile models.

IMD integrates primitive and arbitrary body geometry, propulsion, aerodynamics, 6 degree-of-freedom simulations, structural dynamics, lethality, aero-thermal analysis, and cost. Additionally, the system provides the capability to conduct cost and performance tradeoffs that are essential for Cost as an Independent Variable (CAIV) studies.



The IMD system significantly expedites the conceptual and preliminary missile design process by a conservative factor of two (50% saving), thus favorably impacting program cycle time, the cost of a missile system, and the overall time-to-market.

Various integrated analyses include: Missile Datcom, CAMS – trajectory/aero/propulsion (solid and liquid), Price, Peels, Miniver, Patran, Nastran, SHABP, PANAIR, and Skin Friction Codes.

