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**Visor Shield Connector** Gentex Corporation is a world leader in the development, fabrication and service of integrated life safety products, materials and technologies that enhance user performance and save lives. Specifically, they make crew helmets for military, law enforcement, and civilian rotary wing aircraft as well as ballistic and combat vehicle helmets for military troops and special ops units.

The problem to be addressed through this IPD project has to do with the visor system on the crew helmets. The current visor system tends to bind in a high sand and dust environment, such as the Middle Eastern desert. This is especially true of helicopter helmet visor mechanisms. Although Gentex produces these helmets by contracting with various government, law enforcement and military acquisition agencies, the engineering and design decisions will still be made with the business constraints that must be considered in all IPD projects – cost of implementation vs. value to the stakeholders