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SMI Awarded a Contract by the U. S. Navy to Develop Advanced Reliability Analysis Tools

The U. S. Navy Naval Air Systems Command (NAVAIR) has awarded a Phase II Small Business Innovation Research (SBIR) contract to SMI for three advanced analytic tools to improve operational effectiveness of various aircraft components.

The three tools 1) detect anomalies in component reliability, 2) predict component reliability by considering competing risks, and 3) learn new detection and prediction strategies from data. These tools will be implemented using SMI's iPredict[®] analytic software environment to help Navy engineers and researchers fine tune their use to specific applications.

On this two-year program, SMI is partnering with GE Aviation to specify detailed requirements for the tools. Additionally, GE Aviation will use the tools to mine a GE engine data warehouse for component reliability trends and patterns, automatically.

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