

PwC Consulting

Operations Analytics Projects



• Client Business Need

- The Aeronautical System Center B-2 System Program Office (ASC/YSS) is responsible for tracking and managing B-2 reliability and maintainability (R&M). ASC/YSS requires analytic tools and analytic support in order to mature and improve B-2 maintenance processes, components, and materials. ASC/YSSR hired PwC to develop a computer simulation that models B-2 operations and maintenance.

• PwC Solutions

- PwC developed the Reliability and Maintainability Analysis and Information Management (RAINMAN) system as a decision support system to assist ASC/YSS in evaluating major aspects of the B-2 life cycle, including maintenance process, material, and resource enhancements. The application integrates a user-friendly interface, an object-oriented database manager, and a Monte Carlo discrete event simulation engine. RAINMAN allows users to analyze existing and proposed aircraft/support configurations for their operational and maintenance impacts. PwC has combined the standard operations and engineering monitoring metrics with business metrics to allow users to perform business process improvement analysis.
- Benefits to the Client
 - Provides ASC/YSS with analytical capability to evaluate maintenance alternatives and develop strategies
 - Enables increased efficiency through process improvement