

Asystek's data4impakt™ Delivers 245% ROI!

Helping Our US Navy Customer Meet Operational Readiness Goals

Our Customer's Challenge

To help reduce inefficiencies, improve process quality and mitigate related risks, Asystek worked with the Naval Surface Warfare Center Philadelphia Detachment (NSWCPD) to develop and implement new approaches, processes, tools and techniques for the validation and verification of mission critical Planned Maintenance System products (PMS) for the US Navy's new guided missile Destroyer, DDG1000 (Admiral Zumwalt). The objective of the DDG1000 PMS validation effort was to validate that PMS documentation was consistent with the installation and configuration of DDG1000 Shipboard systems and equipment, prior to sail away.

The Asystek Solution

To support PMS validations, automated decision support and impact-driven prioritization, tools and techniques were developed to identify and triage the scope and subsequent validation of PMS on more critical systems and components, resulting in a reduction of post implementation issues and related costs.

Integral to the success of this effort was the development and adoption of a data-driven approach, powered by Asystek's



data4impakt™ solution, that prioritizes and sequences scope and activities based on value, criticality and likelihood of failure. This technique allows NSWCPD to anticipate and focus resources on the right work at the right time, thereby optimizing the use of finite resources. By deploying the PMS Validation solution on the DDG1000, it is conservatively estimated that more than \$2M in post implementation issues resolution costs will be avoided, resulting in a **245% ROI**. In addition, proactively validating the integrity of PMS prior to Ship deployment enables the Ship and its sailors to better meet mission requirements, improves equipment operational availability and reduces systems and equipment total cost of ownership.