



Naval Undersea Warfare Center Division, Keyport: Range Maintenance Optimization



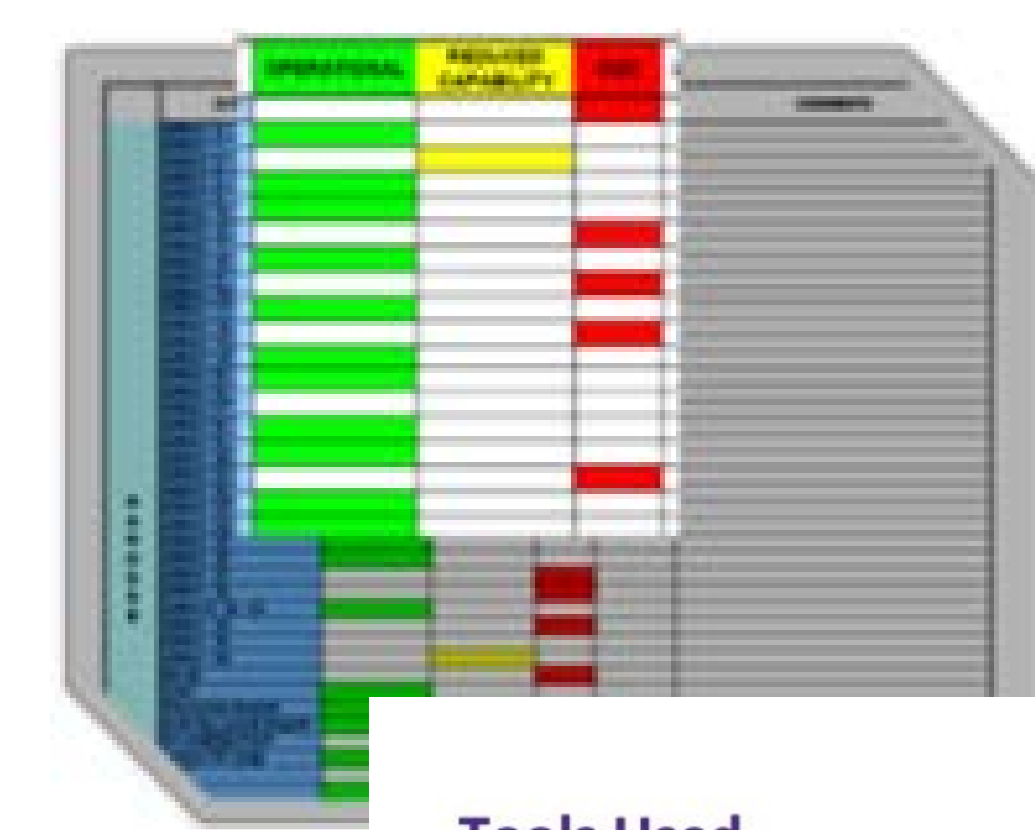
Undersea Warfare Support

Any battle system that travels, looks, listens or communicates underwater

NUWC Division, Keyport primarily supports these areas....

Project Analysis

- > **Baseline metrics:** manually created excel spreadsheet
 - Subjectively created without analysis
 - Significant delays to create
 - Several pages of data



Tools Used



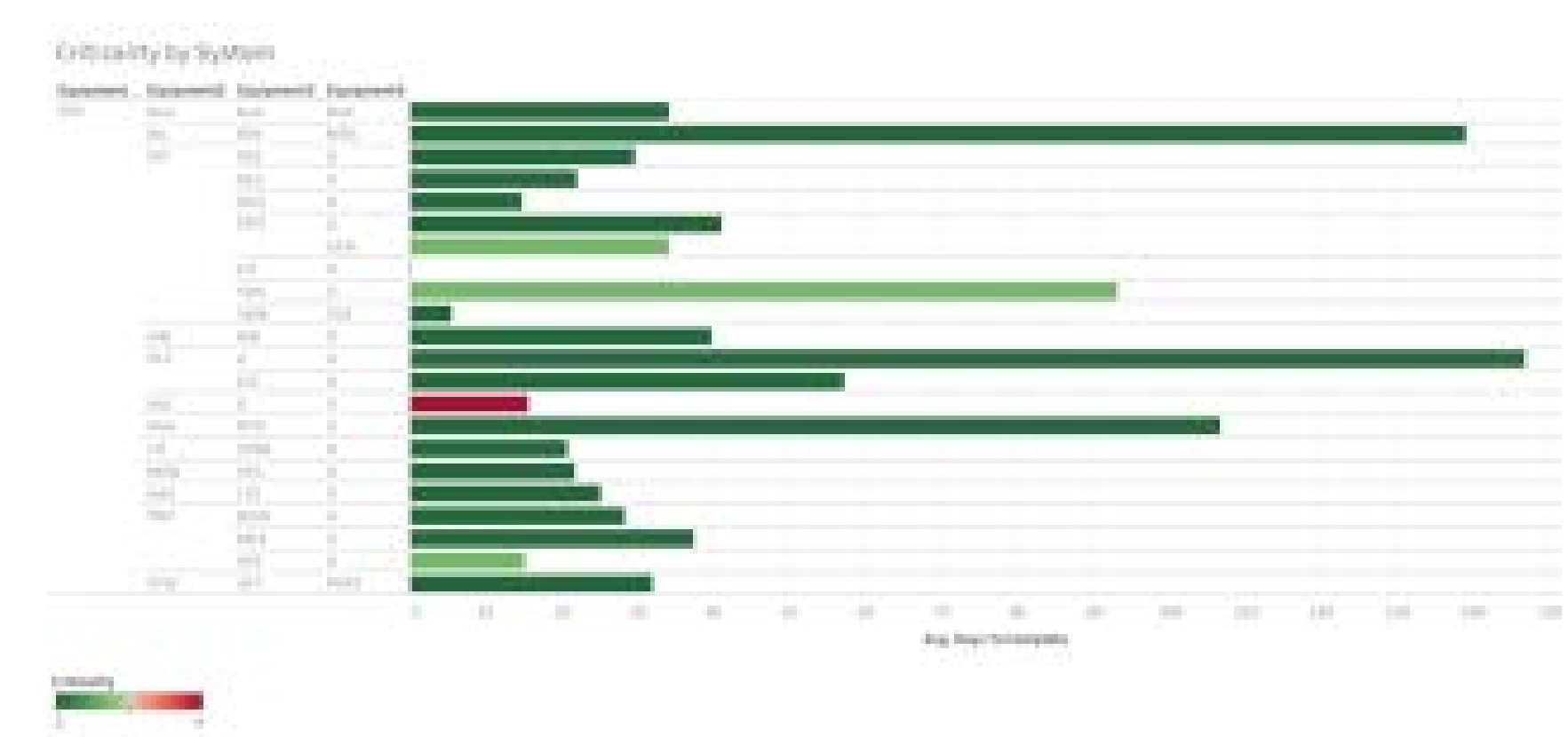
Data Analysis Samples & Plan

- > Records missing key elements to identify criticality
 - Generated data to create population of 576 records
- > 63.7% of sampled recorded maintenance indicated recorded completed date past date due
- > 40% of sampled required maintenance due to electrical problems
- > July sample maintenance count doubles the nearest month

Initial Predictive Analysis Plan Output



Proposed



- > **Tableau visualization with direct link to Infor EAM data providing real time maintenance criticality**

