Siemens Government Technologies:
Digital Modeling & Shop Floor Information System (SFIS)

NCMS Technology Showcase
Puget Sound Naval Shipyard

PROBLEM STATEMENT

- Provide Many of our depots used for maintenance and repair across the services are aging and struggle to support the depends of operational availability of our nation's military assets.

- Provide Each service has plans for modernization of those facilities and equipment therein.

- Provide These efforts require more than just brick and mortar but bringing industry 4.0 and modern process and digitalization to solve the complexities of these efforts.

BENEFITS

- Provide a Closed-Loop environment where Engineering, Manufacturing and Quality can work in a cohesive environment.
- Manage and deliver the machine code using secure cyber controls and threat detection for manufacturing equipment directly to the machines to ensure proper processes and data are used.
- Execute work orders through a Bill of Process utilizing Electronic Work Instructions for operators.
- Virtually commission manufacturing equipment and fully simulate the processes before ever beginning actual manufacturing.

TECHNOLOGY SOLUTION

- Siemens is the only company who can offer holistic solutions that take advantage of IT and OT convergence technologies to solve many of the challenges faced.
- Our Digital Industries organization drives IT solutions for complex configuration management, engineering and manufacturing planning and execution directly to the shop floor. Merging those capabilities with hardware solutions that provide for modern manufacturing capabilities.
- These solutions have been proven across industry, including Siemens ourselves, one of the largest global manufacturing companies in the world.

GRAPHIC