GoEngineer

3D Scanning, Reverse Engineering & Additive Manufacturing for Naval Sustainment

PROBLEM STATEMENT

Legacy shipboard components at PSNS & IMF often have no surviving drawings, and OEM sources for obsolete parts no longer exist or damaged component areas need custom repair. Manually reverse-engineering these parts and verifying first-article quality is slow, pulls skilled technicians off higher-value work, and can delay maintenance availabilities and fleet readiness.

BENEFITS

GoEngineer helps sustainment teams close the digital gap on legacy assets: capture accurate 3D data from parts with no drawings, cut inspection and first-article verification time, and reproduce obsolete components on demand. Built on SOLIDWORKS CAD, Stratasys 3D printing, Creaform & Artec 3D scanning, CAMWorks, and PLM, and backed by a nationwide network of applications engineers experienced with government and defense sustainment work.

TECHNOLOGY SOLUTION

GoEngineer pairs Creaform & Artec handheld 3D scanners with SOLIDWORKS CAD to reverse-engineer shipboard parts and assemblies that have no drawings, then verifies fit and form for first-article inspection. Stratasys additive systems print on-demand tooling, jigs, fixtures, and obsolete replacement parts, while CAMWorks streamlines machining programs for in-house production.

GRAPHIC

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