

# REVERSE ENGINEERING & MANUFACTURING SERVICES

## Solving DMSMS & Obsolescence with Manufacturable Technical Data

### Paths to Procurement

**Contract Vehicles**  
Purchase Card  
Seaport NGX  
Lakehurst BPA  
NAVSUP BOA  
Many Others

**Set Asides**  
HUBZone  
Small Business

**Teaming Partners**  
Native 8(a)  
SDVOSB

**Other Funding Options**  
SBIR  
OTA



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## SERVICES

- Technical Data Packages (TDP) Evaluation & Completion
- Source Approval
- Mechanical & Electrical Design
- DMSMS Solutions
- Value Added Engineering
- Reverse Engineering
- Obsolescence Resolution Engineering Analysis
- Additive Manufacturing
- Mobile Engineering Laboratory
- Remanufacturing Solutions
- Lifecycle Sustainment
- Legacy Replacement
- Contracting Vehicle Solutions
- Program Management

## CAPABILITIES

### Reverse Engineering

- 3D Scanning
- Advanced 3D Printing
- Material Analysis & Testing
- Calibration & Validation

### Prototype Integration Facility

- First Article Inspection & Product Validation
- Remanufacture & Replace OEM Parts
- Refurbishment, Repair & Modernization
- Short-Run Manufacturing

### The 5R Solution ®

- Reverse Engineering
- Remanufacture
- Repair
- Recertify
- Replicate

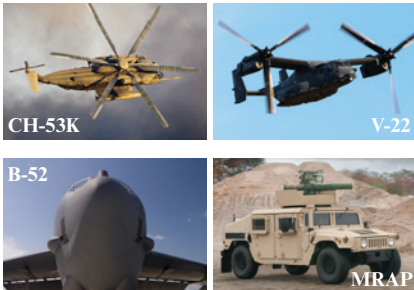
### R.O.P.E. ®

- Rapid Obsolescence Planning & Execution
- Evaluate and address technical data prior to manufacturing process.

## ELECTRONIC (EEE)

- Electrical & Electronic Assemblies
- Electro-Mechanical Assemblies
- Fiber-optic Assemblies
- Electrical Components
- Wiring Harnesses
- Wiring Assemblies
- Cable and Conduit Assemblies
- Adapter and Connector Assemblies
- Panel and Switch Assemblies
- Box and Enclosure Assemblies
- Electrical Test Sets
- High Reliability Electronics

## SUPPORTED PLATFORMS



## CUSTOMERS



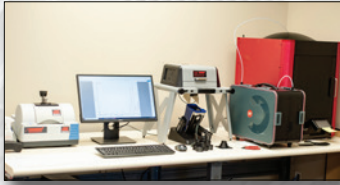
<b>NAICS</b>	488190	335931	336413	334290
332710	541330	332999	811213	334418
336411	541420	334516	811219	334510
336412	332510	335931	334419	334513
336415	332722	335999	332710	335929

## CONTACT

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Rachel@PartsLifeInc.com

## PROTOTYPE INTEGRATION FACILITY (PIF)

State-of-the-Art Custom Engineering,  
Manufacturing, & Testing Solutions



**Mobile Complete On-site  
Reverse Engineering  
Facility**

For parts that  
cannot be moved,  
we come to you!



**Engineering Agile  
Global Lifecycle  
LABORATORY**

# PROVEN DMSMS OBSOLESCENCE SOLUTIONS

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## PAST PERFORMANCE

### Defense Logistics Agency

#### SP4701-21-C-0005

On this Phase II SBIR award, Parts Life, Inc. utilized proven value-added reverse engineering processes, manufacturing experience for source development to create complete technical data packages, submit SAR packages, and produce low-rate initial samples as needed/requested on multiple NSNs, including seals to support nuclear enterprise, industrial hardware manufacturing for the TF-33, and hydraulic fittings for NUWC.

### NAVSUP Weapon System Support

#### N00383-18-P-P176

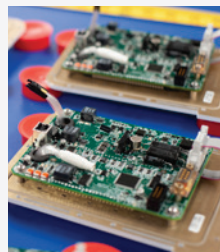
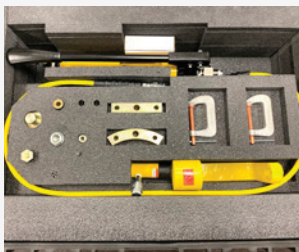
Evaluate, repair and/or modify critical electronic application item for crash crane. Includes overhauling, upgrades, repairs, testing, and inspection in accordance with applicable repair manuals, technical specifications, engineering orders, and drawings.

### NAVAIR

#### N68335-18-D-0071

Manufacture, assembly, inspection and delivery of Organizational & Intermediate (O&I) Level Peculiar Support Equipment (PSE) end items for the V-22 Aircraft.

## SAMPLE CAPABILITIES



**TEST & TOOLING SETS**

**ELECTRO-MECHANICAL ASSEMBLIES**

**PROPULSION REVERSE ENGINEER**

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