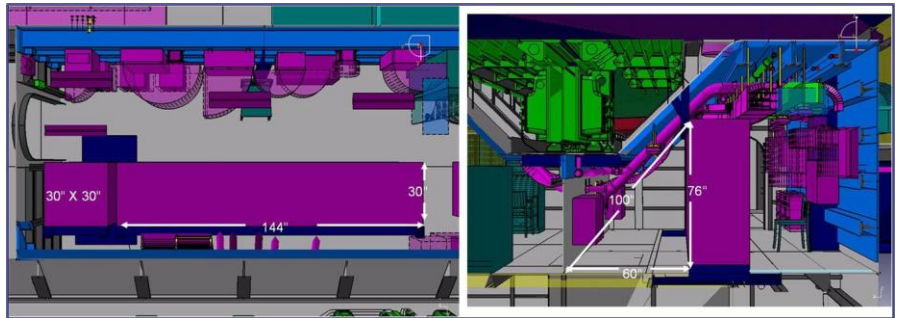


## Related Manufacturing, Engineering, 3D Modeling and Design Support



### Core Capabilities

- Manufacturing Services
- Engineered Services
- 3D Modeling
- Technical Drawings
- ISO Certification

### Manufacturing Services

- Build to Print
- Contract manufacturing
- 3D printing (Additive manufacturing)
- Bed Size: 1m (39.37") x 1m (39.37") x 0.5m (19.68")
- Min Layer Height: 70  $\mu\text{m}$  (.0027")
- Available Materials: PLA, ABS, XT CF-20 (Carbon Fiber blend), Ninja Flex, PETG, Specialty Filaments upon request

### Engineering Services

- Finite Element Analysis (FEA)
- Computational Fluid Dynamics (CFD)
- Thermal Analysis
- Integrated System Design (Electrical and Mechanical design from prototype to final product)
  - Validation and verification
  - Critical and final design review
- Programming (LabVIEW, microcontrollers)
- Rapid Prototyping
- Engineering test plans
  - Mechanical and electrical test plans
  - Design and development of test fixtures and systems

## 3D modeling (Electrical, Mechanical, Hydraulic and Pneumatic Systems)

- SOLIDWORKS models for concept, prototyping, detailed design and manufacturing

## Technical Drawings IAW ANSI Y14, NAVSEA, and NAVAIR Formats

- Conceptual level
- Developmental level
- Production level
- Electrical schematics and wiring diagrams

## ISO Certification

- ISO 9001:2008 Certified Quality Management System
- Transitioning to ISO 9001:2015

## Contact

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