



Dave's Technical Services

Dave Cooper, P.E.

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daves-tech.com

Odenville, AL

A HARDWARE ENGINEERING PRACTICE • ODENVILLE, AL

Flight-proven engineering.

I've spent 15 years putting hardware on the International Space Station. I bring that same detail-minded approach to your project.

ISS flight heritage

P.E. licensed and insured

Veteran owned

CORE CAPABILITIES

- 01 Design — Machines / Thermal systems / Fluid systems
- 02 Analysis — Structural / Thermal / Fluids
- 03 CAD and drafting, GD&T
- 04 Reverse engineering
- 05 Training and mentorship
- 06 FDM 3D printing
- 07 CNC machining

WHEN TO CALL DAVE

- 01 You need engineering, design, or analysis help
- 02 You have a product idea
- 03 You need a custom machine, fixture, or tool
- 04 You need help building your engineering team
- 05 You need help turning a customer's napkin sketch into a manufacturable design

WHAT SETS ME APART

- Took flight hardware from first sketch through NASA safety review to on-orbit operation
- Licensed Professional Engineer (P.E.)
- Veteran-owned — former U.S. Marine Corps KC-130 navigator (1996–2006)
- Drawings and documentation ready to quote and build from
- In-house manufacturing capability for rapid prototyping and short-run production
- Experienced engineering instructor

PRIOR EXPERIENCE

UAB EITD • ON ORBIT

POLAR

Lead engineer. Cold-stowage freezer carrying science samples to and from the International Space Station

UAB EITD • ON ORBIT

ISS Glovebox Freezer (–80°C)

Lead engineer. Currently operating on the International Space Station

WHO I WORK WITH

Manufacturers • Fabricators • Machine Shops • Industrial Contractors • Product Developers • Hardware Startups • Engineering Teams

Call or email to talk through your project.

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REMOTE OR ON-SITE