



CAPABILITY STATEMENT

Absolute Concept Designs, LLC (ACD), excels in creating tailored engineering solutions for Dynamic or High Impulse Applications.

Who We Are:

ACD is a Small Business that provides the capacity to work with our customers on their specific needs and come up with a strong solution together. Over 11 years of professional design experience in the defense industry. We can assist in all stages of a project, including proposal drafting, conceptual design development & processing, analysis, and prototyping.

Core Competencies:

- Conceptual Design and Geometry Development
 - Armored Vehicles
 - Ballistic Testing Fixtures
 - Vehicle Transport Systems
 - Blast Mitigation Technologies
 - Drone Components
 - Crowd & Vehicle Barrier Devices
- Finite Element Modeling and Analysis (FEM or FEA)
 - Dynamic Structural Interactions (gravitational, fluid/structure interactions & impact loading)
 - Air Blast & High Impulse Simulations
 - Composite Structures (Femap with NASTRAN)
 - Thermal Transient Analysis
- CAD (Computer-Aided-Design) Modeling
 - Machine/Fabrication Drawings
 - Advanced Surfacing Techniques

Company Data:

Established:	11/2015
NAICS Codes:	541330, 541340, 541512, 541690, 541715, 541990
CAGE	7JFF1
UEI:	CJXTQWJVRSX9

Contact Information:

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Locations:	(HQ) Rio Rancho, NM & Q Station; Albuquerque, NM

**NIST 800-172
Compliant**

CAD Design

**Finite Element
Analysis (FEA)**

**Reverse
Engineering**

**Machine
Drawings**

Previous

Experience:

- TACOM (Army)
- TARDEC (Army)
- ARL (Army Research Labs)
- AFRL (Air Force Research Labs)
- Sandia National Labs (DOE)
- Mettle Ops
- Battelle