



### Company Overview

KC Service & Consulting (KCSC) is an independent structural dynamics and vibration test engineering firm in Albuquerque, NM. KCSC delivers vibration test planning and execution, Multi-Input Multi-Output (MIMO) and Six Degree of Freedom (6-DOF) methods, data acquisition and analysis, modal testing, electrodynamic shaker service and commissioning, and vibration facility consulting, as a subject matter expert, subcontractor, or teaming partner.

### Core Competencies

- Vibration test planning, execution, and tailoring: random, sine, MIMO, and 6-DOF
- Data acquisition; PSD, FRF, and modal analysis; field and operational measurements
- Electrodynamic shaker service, repair, and commissioning (Unholtz-Dickie factory authorized)
- Vibration test facility planning, installation oversight, and hazardous or remote operations
- Combined-environment methods and custom test-frame subsystem engineering (research and development)

### Differentiators

- More than 20 years operating high-consequence vibration test programs, not just specifying them
- Depth in MIMO and 6-DOF methods, a thin-supply specialty across the test community
- Principal-level subject matter expert available as a subcontractor, teaming partner, or SBIR/STTR test partner
- Hands-on across shakers, amplifiers, slip tables, and controls on multiple manufacturer platforms

### Key Personnel

Kevin Cross, Founder and Principal Engineer. MS Mechanical Engineering, Clarkson University. More than 20 years across electrodynamic shaker systems, structural dynamics, MIMO and 6-DOF methods, modal and environmental testing, mass properties, and hazardous and remote test operations. Former Principal Mechanical Engineer at Sandia National Laboratories, where his MIMO and 6-DOF work was featured in Sandia public news releases.

*Reference to Sandia National Laboratories reflects the founder's prior employment and publicly available cited material; it is not a current affiliation or endorsement.*

### Past Performance

- Field service, repair, and commissioning of electrodynamic shaker systems at aerospace, defense, and national-laboratory test facilities, subcontracted through Unholtz-Dickie (2025-2026)
- Structural-dynamics and vibration test consulting for commercial aerospace and industrial clients

*Named past-performance references available on request.*

### COMPANY DATA

**Business**

KC Service & Consulting (KCSC)

**Location**

Albuquerque, New Mexico

**UEI**

P2Z8BV2PGX82

**CAGE Code**

[pending]

**Business Size**

Small Business

**Set-Aside Status**

None

**NAICS**

541330 (primary), 541380, 541715, 811310

**PSC / FSC**

R425, AR, AC, H-family, 6635

**Established**

2025

**CONTACT**

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