

THE CONTINUUM ENGINEERING, INC.

A Minority Owned 8a and Small Disadvantaged Business

Product/Services:

Provide engineering services and innovative solutions to the aerospace industry as it relates to design, analysis, testing and certification of structural components.

Business:

Address: 3255 Wilshire Blvd, Suite 1530, Los Angeles, California 90010

Structure: Incorporated in California

Established: January 2005

Point of Contact: Tarun Ghosh, PhD

Phone: 818-481-9284

Fax: 213-389-6931

E-mail: tghosh@continuumus.com

Website: www.continuumus.com

Ownership: 100% US citizen ownership

Debt: None

Profitability: Every year

Certification: 8a and SDB

Services:

- structural analysis of space, airborne and land based structures
- quality structural analysis support in the form of technical staff to work at your site or technical work to be performed at or outside your site.
- independent verification, review and checking of technical work
- technical advise in solving complicated problems
- set up automated computational procedures by developing pre- and post-processors
- screening and placement of employees

Our expertise is in

- finite element modeling of structures and components
- integration of component models to generate systems model
- stress, dynamics and thermal analysis of metallic and composite parts
- structural integrity evaluation and optimization of design
- modal testing and model correlation
- static, time history, shock and random vibration analysis
- qualification of commercial over the shelf (COTS) products to aerospace standards
- functional testing and model validation
- fatigue and damage tolerance (fracture) analysis
- developing VisualBasic based macros for use in analysis
- modal synthesis and super element analysis
- buckling, gap/contact, preload and tolerance analysis
- failure investigation and providing corrective measures

We have performed subcontract work for:

- Barry Controls Aerospace/Burbank
- Airbus A400M
- NASA-GRC/Cleveland
- ATK/Pasadena
- Wyle labs
- Raytheon/El Segundo

Why select us:

- qualified people: We have qualified people who are all US educated with post-graduate degrees
- work experience: our services are backed by the experience and qualification of our staff.
- quick turn around: on small projects our turn around is in days (Ask Wyle Labs)
- satisfied customers as judged by repeat customers and excellent reference
- small size of business guarantees low cost
- we perform the work using our staff and no work is out sourced.
- credibility: we only bid for work that is in line with our business and our staff has matching experience and qualification
- for small projects we can do from beginning to end
- for large projects we can team up with big and small organizations
- we are proactive: we will tell you what and how it needs to be done
- we are detail oriented: failure is often from overlooking little things

Technical Ability

Our technical ability is backed by the numerous technical papers for which we can take credit. Here is a partial list of the technical papers credited to our staff. They are accessible from our website.

["MSC/NASTRAN Based Component Mode Synthesis Analysis Without The Use of DMAPs"](#)

["Model Validation and Testing of International Space Station Structures using MSC/NASTRAN"](#)

["International Space Station Thermally Induced Solar Array Base Loads"](#)

["Component Mode Synthesis of Structures with Geometric Stiffening in](#)

[MSC/NASTRAN"](#) ["Space Station Solar Array Pointing System Control/Structure Interaction Study using CO-ST-IN for modal reduction"](#)