

COMPANY PROFILE

Name of Business: FEA Services LLC
Legal Form: Sole Proprietorship, Limited Liability Corporation
DUNS: 96-198-1516
Owner/President: Gabriel F. Dambaugh, P.E.
Corporate Location: Charlotte, North Carolina
Territory Served: United States
Year Started: Started in 2000 as **FE Professionals of Charlotte**
Incorporated and re-branded in 2008 as **FEA Services LLC**
Contact Information: 15720 Brixham Hill Ave., STE 300
Charlotte, NC 28277
877.370.0900 – Phone

www.feaservices.net
info@feaservices.net

Services Provided:

- Direct Finite Element Analysis (FEA) Consulting
- FEA Training
- Fatigue Test Optimization
- Forensics Analysis
- ABAQUS FEA Sales and Support

Key Partnerships: Value Added Partner of Dassault Systemes Americas Corp.

Brief History and Mission:

In 2000, we began measuring and modeling a NASCAR chassis, which became one of very few fully 3D tubular Finite Element (FE) models of a NASCAR chassis at the time. This work, in addition to our growing contacts in NASCAR circles, led to our behind-the-scenes consultation with NASCAR engineers following the 2001 Daytona 500.

Since then, our client base has spread throughout a wide variety of industries, which is logical considering applications of any industry can utilize FE methods as a primary mechanical engineering tool. From our experience base with machine component design and manufacturing, such as rolling bearings and gearing, we developed expertise in the niche area of nonlinear FEA methods.

In 2008 we began dedicating significant time supporting NASA's Marshall Space Flight Center with analysis of Aerospace composite manufacturing and damage tolerance for the Constellation program. After the strategic shift was made away from Constellation to the SLS program, we then supported Boeing's effort on SLS for several years with a variety of structural analysis and developed FEA training classes for new Boeing engineers.

Due to our recognition throughout the SIMULIA brand of Dassault Systemes (DS), we were selected to represent DS as a Value Added Partner in 2011 with a focal on supporting customers with the ABAQUS FEA package.

The Mission of FEA Services LLC is to bring FEA and engineering expertise to organizations that design and produce mechanical structures and assemblies. These companies are poised to take the next step in utilizing FEA and other CAE technologies to improve their time-to-market or reach higher levels of product optimization while minimizing manufacturing cost and risk.

Inspired Solutions:

We understand that with every engineering problem an individual can develop a path to the most optimal and robust solution through thinking in an open and creative environment rather than with a rigid set of rules. Our client solutions are developed with such an open environment to capture the innovative flow of ideas. We call this flow inspiration. Hence, our solutions are literally..."Inspired."

Impeccable Service:

As with *any* service, what people remember most, in addition to the quality of the product delivered, is the attention given by the people of that establishment. Are orders visibly treated as highly important? Is timeliness given a priority? Are customers kept politely informed of the progress and are questions asked along the way? As contractors, we recognize there are many smart, technically adept individuals in our field. Thus, our competitiveness lies in our mission to assure that our attention to the service aspect of our business can be described with only one word..."Impeccable."

Our unique combination of innovative solution strategies and impeccable service standards makes us an excellent choice as your Finite Element Analysis consulting partner.