

EXPERIENCE INNOVATION



About Epsilon

Company Mission

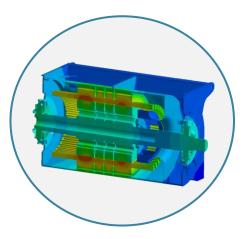


Our Core Values

Epsilon FEA was formed in 2008 in Minneapolis, Minnesota to provide a new class of Engineering Service utilizing the Finite Element method and related CAE tools.

Recognizing this niche CAE tool requires large investment for companies competing in a technically challenging environment, Epsilon focuses on three cumulative characteristics of our services:

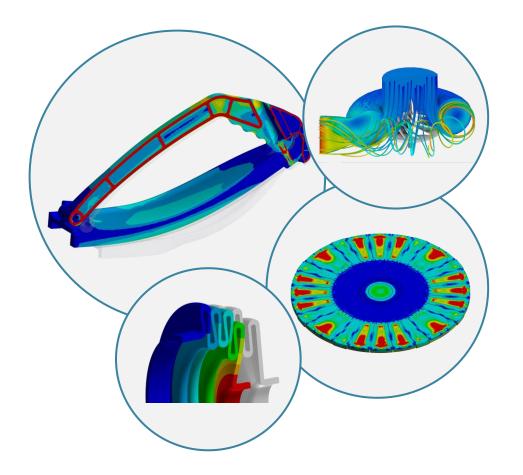
- Exhibit Excellence with the Simulation Tools
- ✓ Infuse Technology into Customer Design System
- Communicate Thoroughly and Clearly





What We Do

Our Tools



We utilize ANSYS tools both of Workbench as well as classic APDL (ANSYS Parametric Design Language) Fluent, CFX, along with a multitude of supporting engineering and business software.

Using up-to-date licensing and compute solvers we leave your costly internal resources intact, while leveraging our familiarity and expertise with our own in-house toolset that has been customized and augmented for over a decade and a half.

Pairing these long term investments with analysts (consultants) that perform FEA/CFD as their career focus results in a low total project cost thereby making Epsilon FEA a strategic partner for your next engineering challenge.



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Why Epsilon?

Unique Value Proposition to Best Serve Our Customers



Superior Engineering Analysis

• 3 full-time simulation experts + network of additional experts as needed

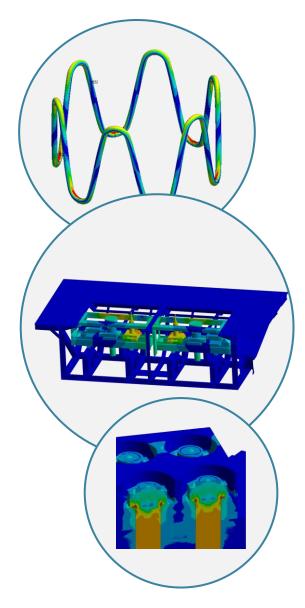
Low Overhead

- Support functions outsourced
 - Accounting, IT, Finance, Technical writing, etc.
- Big Business Interface
 - Detailed invoicing/SOWs, updated toolset, insured, quality assurance, etc.



Small Business Service with Single Points of Contact

• Rod's Cell Phone: 612-819-5288



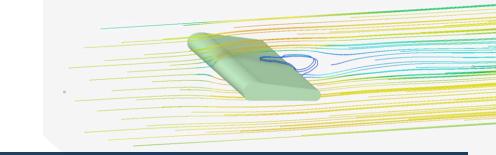


Who Do We Serve?

Our Customers

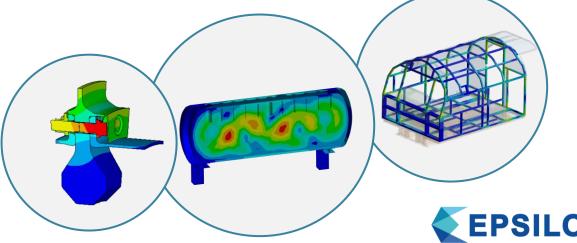
Load-Leveling

- Analyst is a team member, not a black box
 - Interface with same Epsilon analyst to leverage past experience
- Open and frequent communication
- Any new FEA methods/lessons learned are well
 communicated
- Schedule/budget fidelity with frequent status updates
 - Achieved by using the right person, tools, and technical approach



External Expertise

- We infuse up-to-date FEA methods/tools
 - Leverage other industries' FEA innovations
- We are not a software reseller
 - Unbiased tool selection, infrastructure advice
- We share our knowledge, files, and lessons learned



Epsilon's Customers

Proudly served dozens of companies across numerous industries





Epsilon's Unique Capabilities

Expertise and Technology to Ensure Accuracy and Affordability



Accurate Simulation

- In-depth knowledge of tools
 - ANSYS® Suite of Multi-Physics software
- Experience with industry successes/failures
 - Aerospace, Rotating Machinery, Electronics, Manufacturing, Packaging, etc.
- Validation with calibration runs and hand-calcs
 - Experience assessing discretization error



Affordable Simulation

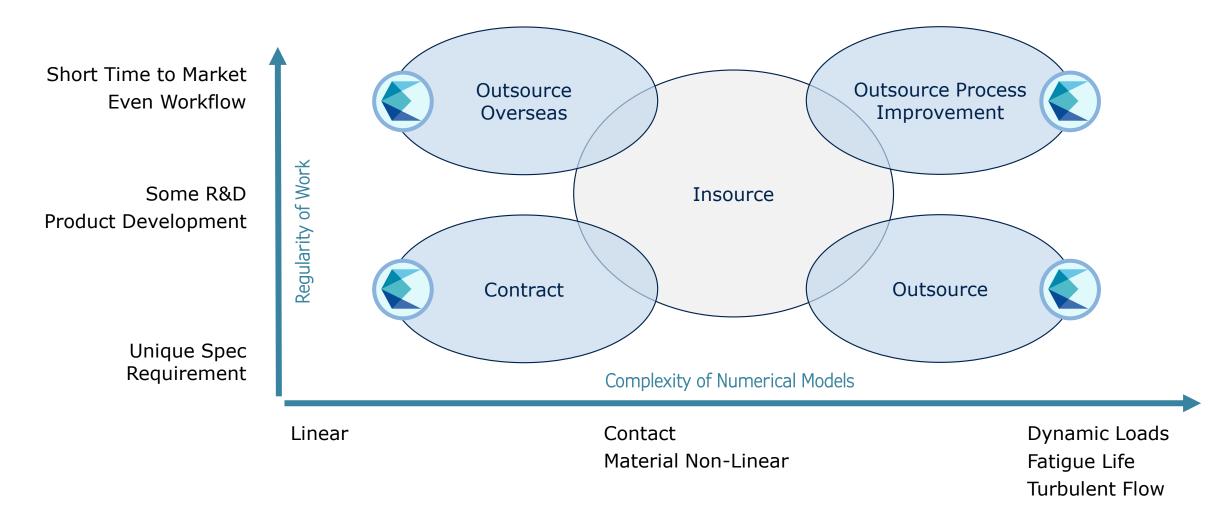
- Low hourly rates and/or fixed-price estimates
- Specialized, experienced engineers
- Detailed statements of work, scope, and budget tracking
- Automation (APDL, CAD-associativity)
 - Accommodates shifting inputs, materials, minor geometry updates, etc.



2024

How You Can Partner with Epsilon

Outsource the corners, while keeping the expertise central





Epsilon vs. Contract Employees

How we are differentiated to provide a top-tier service

Tailored Skillsets

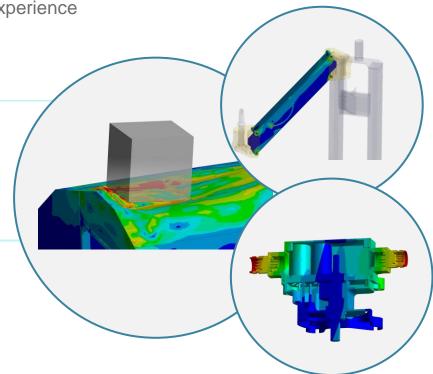
- Using Epsilon means having multiple skillsets and being assigned the analyst best suited to your individual needs
- Staffing firms often offer inflated resumes that do not accurately depict FEA experience
- Epsilon analysts do FEA full time
- ITAR registered / can accept multiple CUI types

Long-Term Continuity

- Starting over with each new contract hire hurts quality and cost
- Epsilon leverages experience with your product and methods

Cost-Effectiveness

- Pay only for hours spent directly on your project
- Avoid budget creep with Epsilon's not-to-exceed quotes
- Tasks itemized with estimated cost and delivery date





Epsilon's CEO and Founder

Rod A.A. Scholl | Principal Analyst

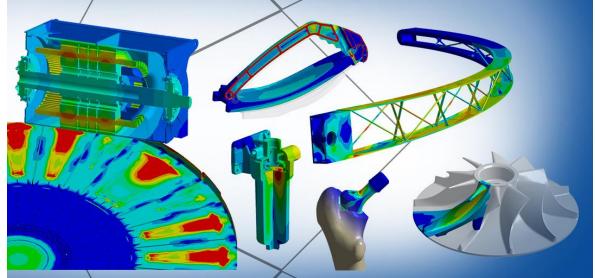


- 25 years with ANSYS FEA as Primary Function (20,000 + hours)
 - Skilled with nonlinear convergence including, plasticity, contact, high deformation, modal, vibration, spectrum, PSD, seismic, shock, harmonic, dynamic transients, heat transfer, mass-transport, radiation, optimization, automation (APDL) and more... (Classic and Workbench)
- Variety of Industry Experience
 - Aerospace, Automotive, Manufacturing, Electronics, Packaging, Semiconductor, Biomedical, Power Generation, etc.
- Strong Leader with Demonstrated Communication Skills
 - Experienced Leader, Team Facilitator, and Mentor
 - Accustomed to learning new design processes, regulations, reporting formats, and closely integrating with your team members
 - Experienced providing close technical oversight of 3-4 analysts
 - Mentored Honeywell user community of 100+ analysts
 - Established and implemented annual training plans, provided tech. support, one-on-one help, user meetings, collaboration and customization tools, etc.
 - Creator and Chief Editor of ANSYS Focus for 5+ years
 - >2000+ opt-in subscriptions to online magazine



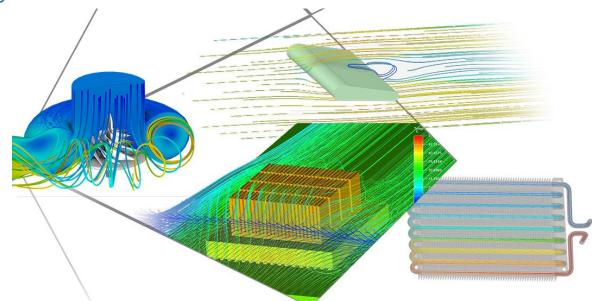
Hundreds of Previous Simulations

Across many sectors, and physics domains



EPSILON

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KNOW YOUR FLOW

Thank You

Any Questions?

