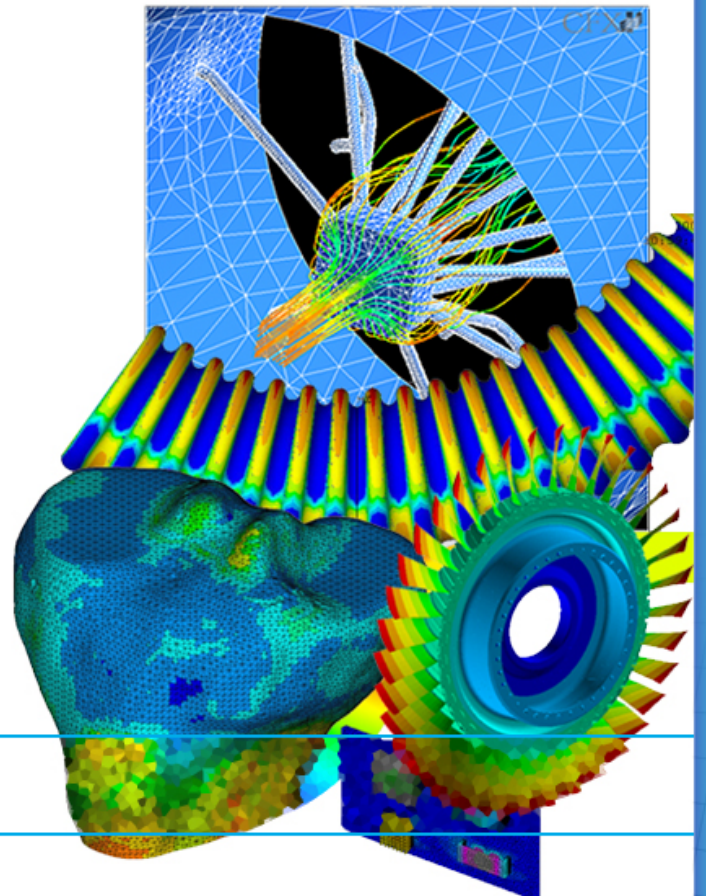




CAE Associates Company Information and Nuclear Industry Overview



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ENGINEERING ADVANTAGE

Letter from the President:

Thank you for your interest in Computer Aided Engineering Associates (CAE Associates) as a partner to help with your company's project needs. I believe we are an excellent choice to support your computer modeling needs. Our advanced capabilities coupled with our extremely qualified staff, extensive experience, and our ability to listen to our client's needs and deliver exceptional and high quality solutions, makes us the right choice.

CAE Associates has been actively performing sophisticated simulation consulting work since 1981. Our senior technical team combines graduate-level educations with extensive practical engineering experience in a variety of industries. Our engineers have worked on a large number of projects of varying technical scope and complexity.

We have performed detailed analysis work for large corporations such as GE Nuclear, AREVA, and Transnuclear, as well as for other clients in highly regulated industries, including biomedical and the U.S. government/military.

The combination of our highly skilled and experienced staff, our state of the art software and facilities, and our close relationship with ANSYS[®], Inc. enable us to complete complex and challenging analyses quickly, accurately and in a cost-effective manner. We feel that CAEA is the best choice for meeting your objectives.

I have attached some information which gives you a little bit more background on our firm. Should you have any questions, please don't hesitate to contact us regarding your specific needs. I look forward to the opportunity of continuing our dialogue.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Veikos", written in a cursive style.

Nicholas M. Veikos, Eng.Sc.D.

President

Company Profile:

CAE Associates was incorporated as an engineering consulting company in 1981 and was chosen by ANSYS® in 1985 to be one of the original four channel partners, exclusively responsible for ANSYS® sales and hotline support in the southern New England, northern New Jersey, and New York metropolitan regions.

Since then, we have established a reputation as a high-quality service provider to many large and small corporations. CAE Associates provides advanced analysis consulting services, ANSYS® software sales, support, and training to a broad range of industries including nuclear, aerospace, automotive, biomedical, electronics and consumer products.

Each member of our senior technical staff has worked in private industry prior to joining the firm and has extensive experience in a wide variety of fields, notably: explicit transient dynamics, turbo machinery, dynamics, applied mechanics, electronic packaging, composites, contact mechanics, fracture and fatigue, impact and containment, computational fluid dynamics, and finite element code development.

CAE Associates specializes in complex structural, thermal, and CFD analyses, including material nonlinearities, multi-phase flow, combustion, and fluid-structure interaction. We are experts in developing parametric models and automated procedures for a broad range of applications.

Our business philosophy is simple:

- Maximize the value of simulation to our clients by ensuring they get the best combination of software and services to achieve their objectives.
- Provide the highest level of expertise every step of the way to ensure a fast, successful implementation as well as ongoing support.
- Provide the highest quality services in an expeditious and professional manner.

We are completely focused on engineering simulation and serve our clients' needs through a combination of:

- Engineering analysis consulting services.
- Sales of the entire ANSYS® suite of engineering software, including CFX® and Fluent®.
- Expert technical support services.
- Training customized to our clients' engineering applications.

- Mentoring programs to maximize implementation efficiency.

Our expertise in these five key areas allows us to be a full-service provider, with capabilities to help with all facets of engineering simulation – anything from performing the entire analysis ourselves to providing the software and teaching our customers how to do it for themselves.

It also sets us apart from our competitors and uniquely qualifies us to work with you. It is our policy that all engineers at CAE Associates perform a combination of consulting, training, and ANSYS® technical support. This serves to broaden their scope, helping them to see the big picture from our client's perspective.

For our customers, this means that the engineers who are training or supporting them have real-world practical experience with the subject matter, and those who are performing consulting services work are able draw upon varied experiences and are also able to effectively articulate their requirements and results. The inter-mixing of these disciplines, combined with advanced (M.S. or Ph.D.) degrees in engineering, and many years of practical experience provides CAE Associates with a unique combination – to the ultimate benefit of our clients.

Several staff members also serve as adjunct professors, teaching classes at nearby universities such as Rensselaer at Hartford, the University of New Haven and Fairfield University in subjects such as finite element theory and theory of plates and shells.

Our capabilities have been recognized by ANSYS®, Inc. along with many other major corporations who rely on engineering simulation to stay ahead of the competition:

- CAE Associates is a world leader in finite element training. In each of the past three years, we have taught over 1600 hours of training classes for over 600 engineering personnel at various companies.
- ANSYS®, Inc. has chosen CAE Associates to develop a variety of training seminars which have been used to train engineers throughout the world. These have included Introduction to ANSYS®, ANSYS® Heat Transfer, Substructuring with ANSYS®, and ANSYS® for NASTRAN Users.
- CAE Associates was chosen to develop and teach a Finite Element Best Practices seminar by both the U.S. Army Research Center and by Pratt and Whitney Aircraft. These two seminars have evolved into the class we currently teach at our facility as well as on-site at companies throughout the country,

including General Electric, Westinghouse, BAE Systems, and IBM Corporation.

- CAE Associates has developed and regularly presents one day seminars on fracture and fatigue for United Technologies Corporation.
- CAE Associates has been recognized as finite element analysis and ANSYS® experts by GE. Since 1985, CAE Associates has provided ANSYS® technical support and training to GE Aircraft Engines, GE Power Generation, and GE Global Research. In 2008, CAE Associates was chosen by GE as the exclusive provider of ANSYS® technical support to all of the GE divisions in North America.
- In addition, we provide ANSYS® technical support and training for almost all United Technologies divisions, including Sikorsky Aircraft, Pratt and Whitney Aircraft, Hamilton Sundstrand, Otis Elevator, and the United Technologies Research Center. These companies, together with GE, are among the biggest users of ANSYS® in the world.

Our varied client list consists of over 200 companies and is continually growing. In addition to those mentioned above, some of our well-known clients include AREVA, Carrier Corporation, Covidien, C.R. Bard, GE, Hewlett Packard, IBM, Lockheed Martin, Motorola, Schlumberger Research Center, Stryker, as well as various U.S. government agencies. These companies are on the leading edge of simulation and have chosen to partner with CAE Associates to help meet their objectives.

In addition to the capabilities stated above, we believe the following items place us in a unique position for meeting our customers' high standards for engineering analysis:

- All analysts are U.S. citizens. This gives us full flexibility to support defense and export-controlled projects.
- All engineers have a Ph.D. and/or Masters degree in engineering disciplines as well as practical experience performing finite element analysis.
- For our analysis activities, we use the technology-leading ANSYS®, CFX®, Fluent® and LS/Dyna® simulation software.
- As ANSYS channel partners, we have direct access to ANSYS resources in product development and can leverage their expertise and experience towards meeting our clients' objectives.
- CAE Associates has access to a wide variety of CAD software, including Siemens NX, Pro/ENGINEER, Mechanical Desktop, and Solidworks.

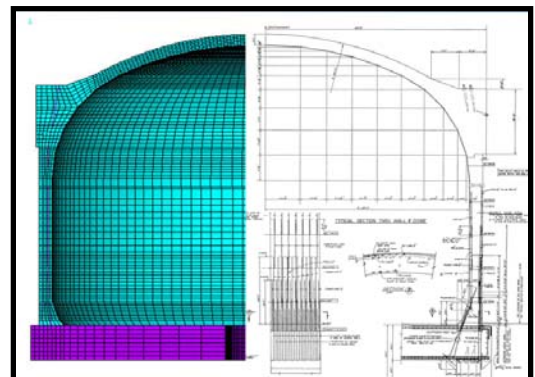
Nuclear Industry Clients:

- AREVA
- AREVA Transnuclear
- SGT
- Simpson Gumpertz & Heger
- GE Nuclear
- Westinghouse
- ANATECH Corp.
- MPR
- Exelon

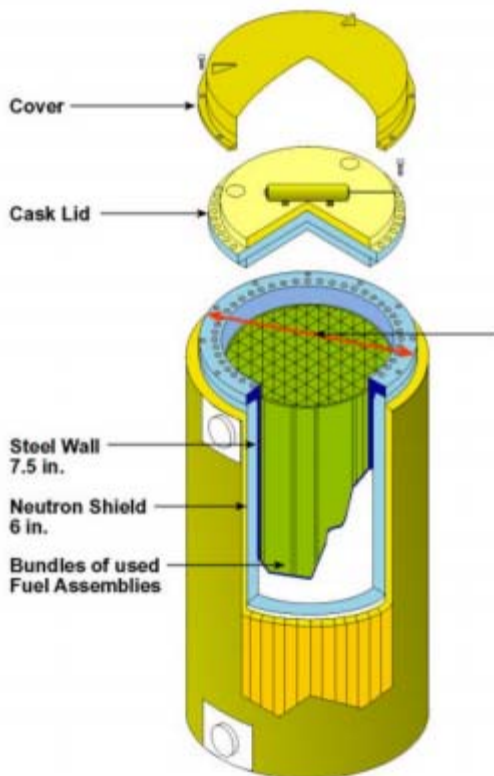


Nuclear Industry Consulting and Training:

- Consulting, training, support, and mentoring services for AREVA since 1995
- Spent nuclear fuel canister impact analyses using explicit dynamics.
 - Performed detailed stress analysis. Accelerometer, strain, and energy calculations compared to established allowables
 - Generated full calculation packages
- Cask/fuel assembly drop analyses using explicit dynamics
- Steam generator replacement in nuclear containment buildings
- Pre-stressed concrete pipe break simulation
- Diablo canyon independent review
- Containment over pressurization
- Steam generator replacement
- Re-processing building design
- Cooling Tower Strength Evaluation



- New plant design project
 - Modeling & meshing guidance
 - LOCA thermal – stress analysis
 - ANSYS scripting / automation
 - Soil property optimization
 - Earthquake simulation



(Images courtesy of AREVA TN)

CAE Associates Quality Assurance Program:

- CAE Associates has a quality assurance program that complies with the applicable requirements of 10CFR50 Appendix B as interpreted and amplified by ASME NQA-1-2008 "Quality Assurance Requirements for Nuclear Facility Applications" and ASME NQA-1a-2009 Addenda to ASME NQA-1-2008. The CAE Associates QA Program also complies with the applicable requirements of 10CFR71 Subpart H and 10CFR72 Subpart G.

CivilFEM for ANSYS:



- CAE Associates provides ANSYS CivilFEM consulting and training
- CivilFEM for ANSYS combines the world leading general purpose structural analysis features of ANSYS (ISO-9001) with high-end civil engineering-specific structural analysis capabilities of CivilFEM (ISO-9001).



- The CivilFEM NPP Module provides utilities for designing and analyzing nuclear power plants and facility components.
- Specific nuclear code checks included in CivilFEM
 - ACI 349-01
 - ACI 359-04 (ASME Boiler & Pressure Vessel Code Section III Division II)
 - ANSI AISC N690-94
 - ANSI AISC N690-06 (LRFD & ASD)
 - ASME B&PV Code Section III, SubSection NF
 - AISC ASD 9th Edition
- Other codes included in CivilFEM:
 - EUROCODES
 - ACI Codes 318, 349, 359
 - AISC codes
 - ASME
 - CEB-FIP
 - Spanish code EHE
 - British Standard 8110
 - Australian code AS3600
 - Chinese code GB50010
 - Brazilian code NBR6118
 - AASHTO Standard Specifications for Highway Bridges