

Press Release



America Cup Contender Announces Noran Engineering NEiNastran and Laminate Tools as Engineering Software Choice

Italian Syndicate "+39 Challenge" will use tools in several areas of boat design

Westminster, CA. December 13, 2004. +39 Challenge, an Italian syndicate that will be competing in the America's Cup, announced the choice of Noran Engineering's NEiNastran Finite Element Analysis (FEA) software, and Anaglyph Laminate Tools, for the design, analysis, and optimization of their composite boat entry +39. The America's Cup is considered one of the world's most prestigious sailing competitions and is known for its tradition of demonstrating innovation and rewarding technological superiority. The last race saw contending syndicates spend in the neighborhood of \$80 million to compete.

Giovanni Ceccarelli, Principal Designer for +39 commented on the selection, "NEiNastran is powerful and effective software. Finite Element Analysis (FEA) is an indispensable tool for a complex design like a class IACC boat is. We are using NEiNastran for structural assessment and optimization of the new carbon fiber hull of +39 and on metal parts. I found Laminate Tools as a very innovative tool. It allows a quick and easy manipulation of composite layups, it is interfaced with the NEiNastran solver, and shows composites structural results in an effective manner. It will allow us to evaluate many different hull lay-ups, to get the maximum performance from our design."

Local technical support will be provided by Noran Engineering's representative SmartCAE, Prato, Italy. "We have chosen SmartCAE for the quality of technical support, their competence, and rapidity of their experts when replying to our requests," says Giovanni Ceccarelli,

Principal Designer of +39. "We are proud to be the technical choice of +39 Challenge", says Francesco Palloni, Business Development Manager of SmartCAE. "We work in close contact with the development teams of Noran Engineering and Laminate Tools. This is a great added value for our customers, enabling quick response, effective problem solving and development of 'customer-driven' solutions".



Noran Engineering, Inc.

Noran Engineering, Inc. (NEi), a leader in computer-aided engineering (CAE) software, provides a complete suite of analysis tools for structural, thermal, dynamic, fluid flow, fatigue, and optimization to the aerospace, automotive, maritime, military, medical, and consumer product industries. NEi backs its software with industry regarded technical support. The core product, NEiNastran runs on Windows, Linux, and UNIX platforms in both stand-alone and networked configurations. Noran Engineering Inc. headquarters are in Los Angeles (CA) 1.714.899.1220, <http://www.NENastran.com>.

Press Release



Laminate Tools

Laminate Tools, developed by Anaglyph, is used for integrated design of structures from laminated composites. It can simulate the ply draping on the geometry, interface with a finite element solver, and export the data for product manufacturing by ply-book, flat patterns, or laser projection. Laminate Tools is the leading tool in aerospace, automotive racing, and marine composite design. Anaglyph headquarters are in London (UK), +44-20-89876056, <http://fp.anaglyph.f9.co.uk/>.

SmartCAE srl

SmartCAE develops and resells software for advanced engineering problems and offers FEA services and consultancy with extensive experience in automotive, nautical and industrial applications. SmartCAE is located in Prato (Italy) +39-0574-404642 , <http://www.SmartCAE.com>.

Noran Engineering, Inc.
Contact: Dennis Sieminski, Marketing
Garden Grove Blvd., Suite 300
Westminster, CA 92683-1886
Phone: 1.714.899.1220 ext. 202
Fax: 1.714.899.1369
Email: dennis.sieminski@noraneng.com
Website: www.NENastran.com