Extreme Visualization with EnSight

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Abstract
CEI develops and markets a suite of post processing and visualization solutions called EnSight. These tools are used to post process and visualize data sets from just about any CAE discipline. Over the past 13 years we have sold over 1500 copies of EnSight to more than 500 customers worldwide with a healthy growth in sales every year.

EnSight is very efficient for large and extremely large models and has a large feature set. This allows the user to display, animate and calculate data that goes far beyond what can be achieved with regular post processing software. The system also enables you to view your models in stereo or in Virtual Reality if you have some additional hardware.

The system is capable of loading multiple cases into a single window which enables the user to display, compare and analyze these models in a single view. Up to 16 cases can be loaded in a single window. EnSight is based on the client-server principle and will take advantage of systems with multiple CPU’s and multiple cores. EnSight will run on just about any platform: Apple, Linux, Unix and Windows both on 32 and 64-bit systems.

With many customer examples, the power of EnSight and the advantages of using an external post processing tool rather than the bundled tools that come with the solvers, will be apparent.

Biodata
Martin studied Aeronautical and Space Engineering in The Netherlands and graduated in 1981. After serving in the Royal Netherlands Air Force for 2 years he joined the research and development department of carmaker Volvo in Europe. His responsibilities included the CAD/CAM/CAE training and support of the design engineers, specifying and programming of Volvo specific application software for use in the electronics department and promoting CAE technology throughout the company.

He Joined Aries Technology in 1988 as an Application Engineer, covering Europe and The Middle East. In this role he was responsible for many of the automotive consulting projects of the European offices. During this time he worked with all major automotive companies throughout Europe. After The MacNeal-Schwendler Corporation acquired Aries Technology, he took on the role of European Engineering Manager.

After a total of 8 years at Aries and MSC, he joined Mechanical Dynamics, Inc. (MDI is the developer of the multi-body dynamics system ADAMS) in 1996 and moved to their headquarters in Ann Arbor, Michigan in the US. He was responsible for all sales and support of MDI products.
and services in South East Asia, Africa, Australia, The Middle East and Latin America. In 1999 he moved to Singapore and founded the MDI office there. From this office he worked closely with all the distributors in his area and he expanded ADAMS sales rapidly throughout the region. In 2001 he moved back to MDI’s headquarters and after the acquisition of MDI by MSC.Software he was promoted to Director of Latin American and Mexican Operations.

In 2007 Martin joined Computational Engineering International and he opened the CEI office in Detroit, Michigan. He is responsible for all EnSight sales and support in the Midwest region of the US, Canada, the automotive industry worldwide and Southeast Asia & Australia. In this position Martin is actively working with many of the automotive customers in the US as well as the defense, aerospace, consumer goods and off-highway customers.