



Engineering & Software A/S



10 loudspeakers transform
the Eos' attractive cabin
space into a mobile
concert hall.

Dynaudio: A Concert Hall in Your Car!

By **Henrik Bøgelund,**
Idé-Pro Engineering &
Software

Dynaudio has chosen CATIA V5 to develop and validate their loudspeaker systems, thus reducing the delivery time of their realistic prototypes.

The Dynaudio Premium Sound System was developed with Volvo specifically for the C70 from the onset.



Dynaudio started developing speaker systems for Car-HiFi in the late nineties. Volvo was the first company to use Dynaudio's Authentic Fidelity Speaker systems in their cars and has now expanded to other car manufacturers like Volkswagen.

CATIA V5 FOR CONCURRENT DEVELOPMENT, VALIDATION AND VISUALIZATION

With constantly increasing demands from customers to provide better products faster, Dynaudio chose in 2004 to implement CATIA V5 as their future platform for product development. "We have not regretted this decision," says Lars Sejr Kristensen, Development Manager at Dynaudio. "Now we are able to improve and refine some of the best loudspeaker systems in the world, beyond what we thought possible. With tight schedules and integrated product

“Now we are able to improve and refine some of the best loudspeaker systems in the world, beyond what we thought possible.”

development, we are now able to develop and validate our loudspeaker systems in CATIA before test and implementation."

Today car buyers will not accept any noise not supposed to be there. To detect possible causes for noise and vibrations, Dynaudio are using CATIA Finite Element simulations extensively during the development phase to ensure that their products in the real world will perform exactly as they are expected to.

THE FINAL TOUCH FOR THE FUTURE

Even the best simulation can not replace the human ear - yet. Therefore, Dynaudio need to have prototypes of the final products. As all aspects of the parts are modelled in CATIA, it's very easy to get realistic prototypes in the right material from Idé-Pro Skive. The delivery time is now as short as 2 weeks. Dynaudio expect to integrate their present CATIA V5 solution even better with other company processes, to be able to meet the increasing demands •

More about Dynaudio

The Dynaudio group develops, manufactures, and markets high-end speaker systems for Home usage, for Professional usage and for Car-HiFi. Dynaudio was founded in 1977 with a mission to produce the best speaker systems for home - and professional usage. Designed with passion and built with master craftsmanship in Denmark, Dynaudio sound systems enjoy reference status world-wide. Professional Dynaudio technology can be found today in cars, recording and mastering studios and at home. Within the automotive area, Dynaudio's main customers include Volvo and VW.

www.dynaudio.com

More about Idé-Pro Engineering & Software

Idé-Pro Engineering & Software A/S is the leading supplier in Denmark of solutions and services based on IBM/DS PLM products (CATIA, ENOVIA SmarTeam and DELMIA). Idé-Pro Engineering & Software is supporting customers in Denmark and the Nordic countries. Idé-Pro Engineering & Software is a subsidiary of Idé-Pro Skive A/S, the leading provider of high quality prototypes and small production series in plastics.

www.ipes.dk

For more information:

Contact: Henrik Bøgelund,
CEO Idé-Pro Engineering & Software A/S
Phone: +45 2090 5114
Mail to: hp@ipes.dk