# Digital Development Of Automotive Sound System

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## Abstract

Automotive manufacturers have to continuously reduce their vehicle development cycle to keep up with the dynamic customer demand for latest technologies and to be ahead of the competition. Automotive subsystems have to be developed in the least possible time, using minimal resources while meeting all the customer and regulatory demands. Automotive Sound system is no exception.

Today's automotive audio systems have to meet high quality expectations with ever-decreasing development costs. Analytical and Computational methods to predict the performance of sound systems before the hardware is built can help reduce the development cost and time considerably. Early prediction can help identify issues and gives scope and freedom to the designers to try various design modifications and implement them.

This article gives an insight how Comsol Multiphysics is used to design and develop the automotive sound system digitally.