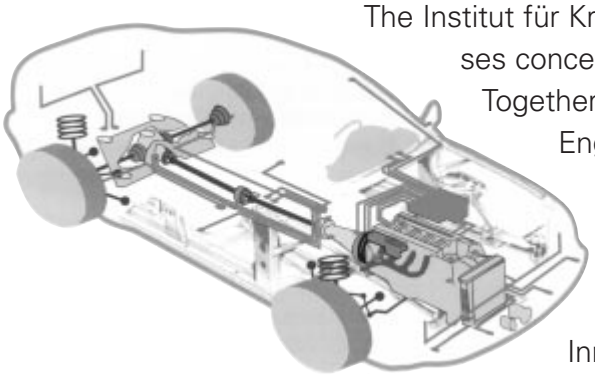
You will find the figures mentioned in this article in the German issue of ATZ 1/2003 beginning on page 66.

Zukünftige Fahrzeugtechnologien und deren Auswirkungen auf die Automobilindustrie

Future Vehicle Technologies and their Effects
on the Automotive Industry



The Institut für Kraftfahrwesen Aachen (ika) frequently conducts analyses concerning implementation of new vehicle technologies. Together with the Laboratory for Machine Tools and Production Engineering (WZL) of the RWTH Aachen and the institute for technical and market strategies (tms) a study for the Bavarian innovation and cooperation initiative of the automotive suppliers industry (BAIKA) has been conducted in this context on behalf of the Bayern Innovativ GmbH. In this study, various vehicle trends were identified and their effects on the supplier industry were evaluated. The concept and methodology of the study were established in close contact with Prof. Dr.-Ing. habil Josef Nassauer, CEO of Bayern Innovativ GmbH, and Gabriel von Lengyel-Konopi, head of technology marketing.

By
Henning Wallentowitz,
Rudolf Dögl,
Jörg Leyers and
Thorsten Parr

1 Introduction

The requirements to be met by automotive suppliers have significantly increased with regard to innovation in development and production [1, 6, 10]. Bayern Innovativ GmbH, as the project co-ordinator of the Bavarian Innovation and Cooperation Initiative of the Automotive Industry (BAIKA), aims to support the supplier industry and its ability to cope with these continuously increasing demands. BAIKA is an example that strives to support cooperation in the consolidation of new results. An important basis for successfully tackling the tasks involved is to evaluate the most important current automotive trends, and above all the mid-term and long-term trends, and their effects on the supplier industry. The research study presented here was produced against the background of the specific issues with which BAIKA is concerned. The relevant technology trends as well as their dimensions and developments were described and the supplier segments concerned were identified.