

RECENT DEVELOPMENTS IN BMW'S DIESEL ENGINE TECHNOLOGY

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ABSTRACT

In Europe, diesel engines have begun to play a very significant role in the luxury segment of the automotive market. By reengineering the 6 and 8 cylinder engines for the new 7 Series, BMW again succeeded in significantly improving the customer-relevant product characteristics. The advanced engine technology used has also laid the foundation for meeting the more stringent emission requirements of the future.

Improved combustion processes, highly flexible injection systems, and high-performance exhaust aftertreatment are key elements in further reducing emissions. In order to allow manufactures to make a long term commitment to this technology for this market, there must be a holistic approach when considering the environmental benefits of diesel engines vis-à-vis their overall contribution to energy independence and maintaining individual mobility.