Bayerische Motoren Werke (BMW) emerged in 1916 from a company for Aircraft Engines in Munich. Today, BMW is a global provider of high-end automobiles and motorcycles. The headquarters of BMW AG is located in Munich. Besides domestic production sites in Munich, Dingolfing, Regensburg, Landshut, Leipzig and Berlin, manufacturing facilities are located in Austria, South Africa, USA, Mexico, Southeast Asia and Russia.

BMW AG currently employs approximately 105.000 people. In 2013 the sales quantity reached a volume of around 1.96 million cars and about 115 thousand motorcycles, which are sold in over 100 countries. In fiscal year 2012, the BMW Group achieved a turnover of around 76,8 billion Euros. In its research and innovation center in Munich, BMW employs about 6,000 engineers in innovative research and development topics.

Service Portfolio

Electrification of the powertrain plays a central role on the path towards CO_2-free mobility. The BMW Group, with its further development of hybrid technology and eDrive powertrains, is consequently pushing these technologies in order to establish electric mobility as a sustainable solution for individual mobility.
The new BMW i3 is a pure electric vehicle using an all new light-weight designed LifeDrive concept. The correspondent

architecture of this vehicle posed considerable challenges regarding the electric drive components and their interaction.

In addition to the task of an optimal incorporation of the drivetrain into the vehicle also optimum light weight properties, modular design and high quality have been achieved and are combined with an efficient and dynamic electric drive system.

Corporate Objective

With the development and the in-house production of the key components for the BMW i3 and i8, Li-Ion battery system and electric motor, BMW has laid the foundations for the creation of further exciting powertrains in the future.
The BMW eDrive powertrains are characterized by their dynamic power performance, high efficiency, smooth running and optimized quality.
The power electronics responsible for the interaction between the battery and electric motor is also an in-house development of BMW.