

New Mobility: the megatrend of the future

We need to bring about the mobility revolution if the European Union wishes to achieve the Paris climate summit's goals. High-performance plastics and composite materials – like those developed by LANXESS – provide the answer to the challenges of electromobility and represent a key growth segment for the Company.

The mobility of tomorrow – new fields of development for LANXESS

LANXESS will be focusing its future activities on developing e-mobility, the charging infrastructure and autonomous driving. For these areas, LANXESS offers materials that meet the key requirements of new mobility: Components can be manufactured more cost-effectively; vehicles can be built with a more lightweight design; and the materials are perfect for electrical and electronic components exposed to high temperatures.

Hybrid vehicles, for example, have very little free installation space because of the room taken up by both the combustion engine and electric motor. Integrated components and assembly groups comprising complex material composites play an important role here. However, technical plastics are also used for the new powertrains in hybrid and all-electric vehicles.

The expansion of the charging infrastructure offers major development potential and is a key prerequisite for the transition to electric cars. High-performance plastics from LANXESS are used here for manufacturing plugs, switches, cables for charging stations and housings for wall-mounted charging stations.

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