Research and Technological Development Provide the Key to Building the Toray of Tomorrow

R&D Basic Policy and Organization

Toray’s Technology Center serves as the headquarter for driving research and technological development into advanced materials based on the firm conviction that research and technological development provide the key to building the Toray of tomorrow.

Developing and commercializing materials requires a certain amount of time, however. Which is why the Group defines the ability to recognize the value of materials and the steadfast commitment of long-term continuity as its strengths, and why it views themes that realize benefits today as well as pipeline management from a long-term perspective that keeps its sights down the road and beyond as its advantages. Moreover, Toray R&D teams inherit the idea of “The Deeper, the Newer,” in other words, the concept that digging deep into something will result in new discoveries and inventions—the DNA of “pursuit of the ultimate limits.” And based on a grand vision of the times and the needs of society, Toray aims to drive innovation that possesses social and economic value.

Toray Group has centralized all of its R&D functions into the Technology Center. Bringing together specialists from many fields in this undivided R&D organization makes it easier to create new innovations by integrating technologies. This also enables the Group to fully utilize its combined strength by actively exploiting techniques and knowledge from many fields to solve problems in a single business area.
Opening a New Development and Marketing Center to Expand Environmental and Mobility Businesses

The environmental and mobility markets have expanded and diversified around the world in recent years. Efforts to virtually eliminate greenhouse gas emissions have picked up internationally, beginning with the European Green Deal. On the mobility front, a transition to CASE (Connectivity, Autonomous, Sharing/Services and Electric) principles is guiding the development of electromotive vehicles*, as well as of a diverse range of other advanced mobility platforms. These include urban air mobility, drones, and small electric mobility vehicles.

In order to rapidly address these changes, in June Toray launched the Environment & Mobility Development Center (EMC) as an organization under the direct authority of the Chief Technology Officer. This move was made to integrate and strengthen the development functions performed by the Environment & Energy Development Center in regard to environmental materials and new energy-related materials and the solution proposal and technology marketing functions performed by the Automotive Center based on advanced materials for automobiles.

EMC will serve as the hub of global development collaboration in the environmental and mobility fields, including for Toray Advanced Materials Research Laboratories (China) and Toray Automotive Center Europe. At the same time, Toray established the Environmental Solutions Department and the Next Mobility Department within the Corporate Marketing Planning Division. In collaboration with EMC, these two departments will propose sophisticated total solutions that integrate the various advanced materials possessed by Toray Group.