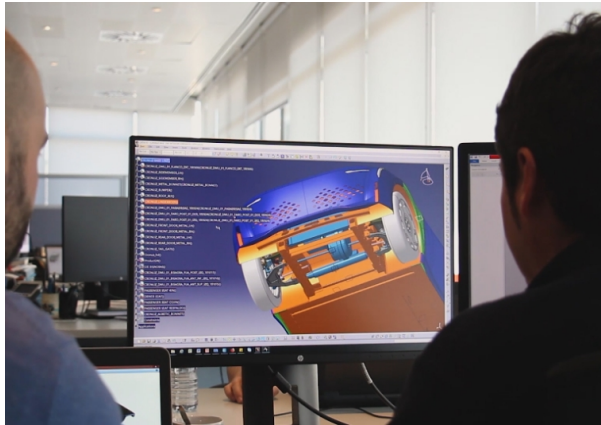


Materials Engineering

Our objective is to explore multi-material solutions aimed at **achieving lighter vehicle bodies**. IDIADA offers complete characterization of automotive materials such as **metals, plastics** and **composites**, for enhancing body performance.



IDIADA's Materials Engineering team brings together the necessary **expertise to develop complete and reliable CAE material cards aimed at their introduction into full vehicle models**. In addition to supporting CAE development from the early pre-concept phases, IDIADA provides certified estimated material cards.

The close collaboration between [Applus+ DatapointLabs](#) and IDIADA makes it possible to obtain state-of-the-art measurement of physical properties required for CAE material characterization. **Tailor-made testing and CAE methods** lead the material performance validation at coupon, component, subsystem, and full vehicle levels applying a **Dynamic Building Block Approach**.