

System level design and manufacturing capability - ULTRA

In Ultra project a four-wheel driven vehicle is designed and manufactured for research and testing use. The vehicle operates with hybrid power, electricity and combustion engine. The body of the vehicle consists of special cell structure of ultra-high strength steel plates. Furthermore, the vehicle is equipped with sensors to measure the body stress, driver's actions and his/her driving style. The information is collected cordlessly and transferred in real time to the cloud database where it can be analyzed and utilized for the development. This experimental study project creates new information about the planning and testing of system level products and manufacturing methods.

