

## Summary

## Idea details

**EXAMPLE: Benefits of lightweight plastic in vehicle design**

Posted by: Molly Higgs, 08/07/2009



Areas: Transport iNet

Research areas: Chemical Engineering & Material Engineering, Mechanical Engineering & Aeronautical Engineering

Sectors: Rubber & Plastics, Transport Equipment, Transport

Tags: [Automotive materials](#) [Automotive technology](#) [Cars](#) [Light-weight materials](#) [Plastics](#)  
[Transport safety](#) [Vehicle performance](#)

**Description**

Researchers have been exploring the importance of plastics and polymer-based composites in the automotive industry and have established the importance of the role these technologies play in improving and enabling automobile performance.

A number of safety benefits of Lightweight Plastic and Composite Intensive Vehicles [PCIV] have been discovered and we hope to collaborate with the transport sector in developing a safety-centred approach to future light-weight automotive design.

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