



UNIVERSITÉ OF TLEMCEEN

# MECHANICAL CARS



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Harmful General

# Mechanical Cars

- **INTRODUCTION**

- The importance of mechanics in the automobile industry.
- History of the automobile industry.
  - Car chassis
  - Car engine
- Car movement system
- The importance of mechanics in the automobile industry



# *The importance of mechanics in the automobile*

The car is one of the most important inventions that has provided the world with a real benefit as it has improved the standard of living in general, and has clearly contributed to increasing the opportunity for luxury and movement from one place to another with the simplest effort and the least time

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## History of the automobile industry



The idea of making a car began in 1672 with the invention of a steam-powered vehicle, then Joseph Cuneo developed it and made it capable of transporting people, in 1769. Then developers came in the nineteenth century to work on using oil in internal combustion engines.

Car body engineering

Complete

The vehicle body is designed using advanced engineering techniques to ensure safety and good performance.

Simulate the structure using software and test it

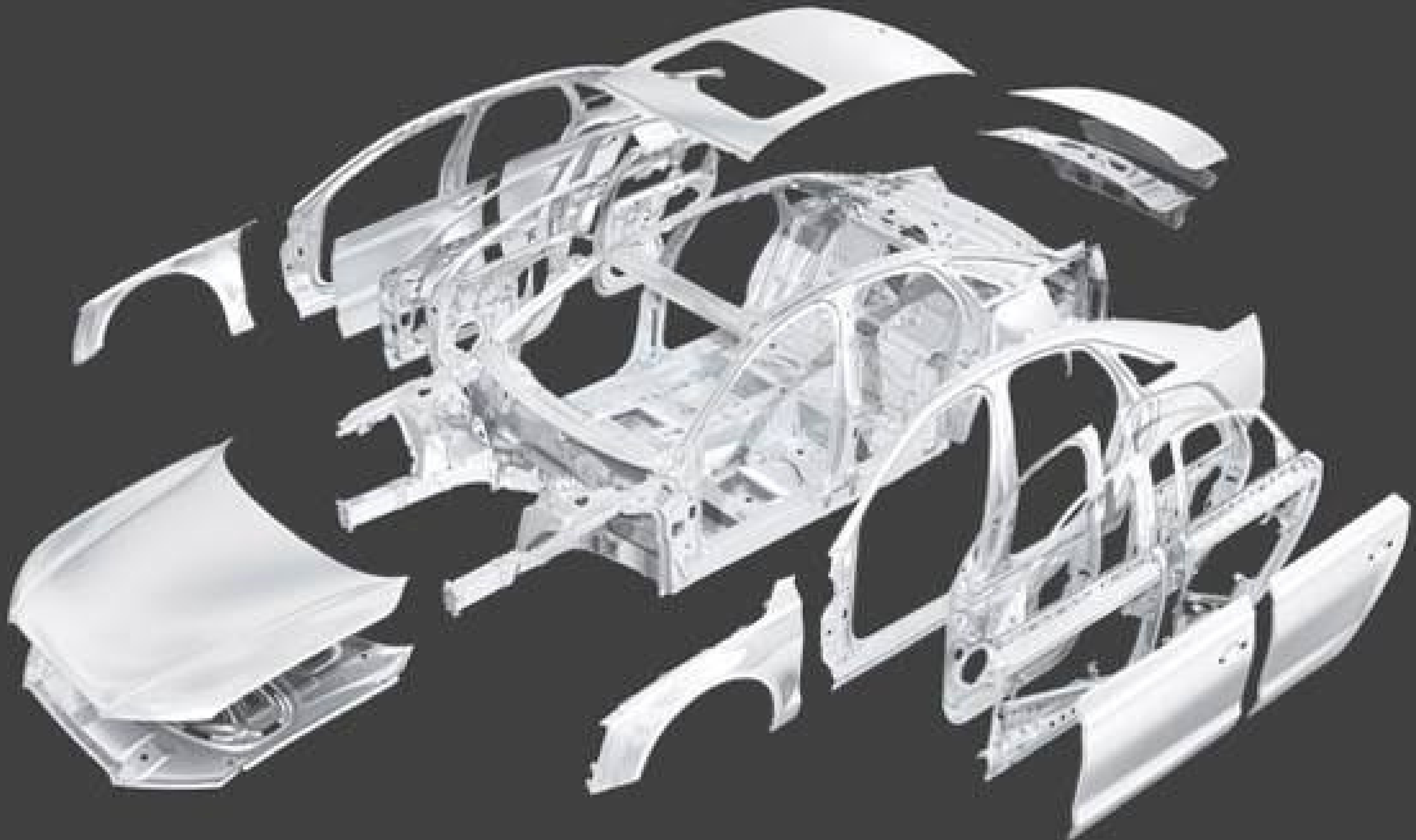
To ensure that safety standards are met.

Vehicle body design is an important part of efforts to improve fuel efficiency and reduce harmful emissions.

In the end, the car's body is the main component

It gives the car its structure and strength, and has a significant impact on...

Safety and performance.



# Car engine

An internal combustion engine consists of cylinders, pistons, fuel injectors, and spark plugs. Combined, these components burn the fuel and let the exhaust gas out of the cylinders. By repeating the process, it produces the energy that powers the car.

