



Some Thoughts on Automotive Transportation for our Cities.

Energy cost

Road accidents and fatality cost

Both costs should be addressed



Making a vehicle lighter saves energy.

example. Motor bikes are lighter but dangerous

Table 1a. The problem of traffic passive safety compatibly



← Increased Passive Safety

→ Decreased Passive Safety



The effort and idea.

Using light weight - energy absorbing materials in a specialized “helmet like” structure

Goal: 50% vehicle weight reduction

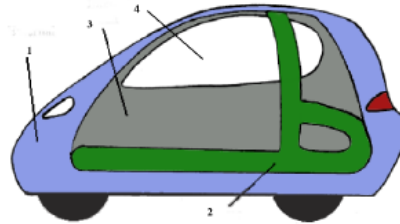


Fig 1. Layer (1) Energy absorbing polymer foams, having the shape of vehicle exterior, Layer (2) a stiff frame structure made out of composite or metallic materials. Layer (3) Energy absorbing polymer foams,



Not a Car but a Moped.

European Law mopeds and quadricycles

Light quadricycles (L6e).

Maximum 350Kg

Maximum speed 45Km/h

A concept Example

