

ABSTRACT

One of the main ideas (it is even possible to say the purpose) of our time is an understanding, that is it necessary to make changes to the prevailing views of the relation between man and nature. The basic idea of the relation is simple: we subordinate the environment to our personal needs and benefits, rather than wait for gifts from nature. But as it proved to be, nature is not the laboratory, where any experiments are possible, and man is simply obligated to consider this before his daily activity.

Our civilization is inseparably connected to the development of means of transportation, primary with automobile. A car, nowadays, is a perfect way to unite people, however, it is also a big headache for the mankind. Constant yearly increase in the quantity of cars worldwide, results in a constant environmental pollution growth. We can surely state, that the automobile vehicles is the main source of the atmosphere pollution by carbon monoxide gas. Therefore, the development of ecologically clean (partly or completely) engines is a very important problem.

In my work I tried to thoroughly estimate the today's state in the area of the development of ecologically clean engines, taking into account the existing needs of man. We also paid close attention to the already existing developments in the area. Attempting to understand the origin of ecological problems, it is possible to refer to many factors - the imperfection of the existing technologies, the insufficiency of investments, and many other reasons. However, one must not forget the person himself as "objective - subjective factor", whose constantly increasing needs are the "point of crystallization" of all negative environmental effects.

Keywords: hybrids, cars, technology, hybrid engine, hydrogen engine, air pollution, fuel, battery, hydrogen, economy