

– Conducting business relationship. The use of digital signature significantly accelerates the realization of any commercial operations and eliminates the need for additional meetings and hours of negotiations.

With the right approach, EDS ensures the accuracy and integrity of the information contained in the document, and the electronic document ensures that the signatory has the right to sign the document, and agrees with that he signs. Paper media do not provide such useful tools. Although, there is no 100% guarantee that hackers and attackers will not steal your key and make illegal operations, but computer technology is constantly developing and maybe in the near future the reliability of digital signature will be much higher.

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UDC 656.13:164.1:504 (043.2)

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ROAD TRANSPORT IMPACT ON THE ENVIRONMENT AND IDENTIFYING KEY AREAS TO IMPROVE ITS ENVIRONMENTAL SAFETY

In the conditions of modern economic development, road transport plays an important role in ensuring economic growth and social development. Road transport is one of the most important elements to ensure the transport system of the country. However, the development of road transport in Ukraine faces challenges that require complex solutions at the state level. Thus, the environmental problems associated with the use of the vehicles are relevant both for Ukraine and for all the countries in the whole.

At the beginning of the second half of the twentieth century a progressive motorization of society became. Development of Road Transport has identified the following distinct but contradictory trends: on the one hand, a high level of motorization was achieved, reflecting the technical and economic potential of society, that facilitated meeting the social needs of the population, and on the other hand, this development caused increasing negative impact both on society and on the environment. This negative effect leads in turn to disruption of the ecological balance in biospheres' processes. In spite of the positive trend convenience, it has led to the emergence of new threats to the vital interests of the individual, society and state, and subsequently has acquired real-environmental threat for life.

Based on the fact that over the years the number of road vehicles has been steadily increased, this topic is relevant, thereby it requires solving of problems about impact on the environment and public health.

Cars pollute the environment during their functioning by burning the active substance (fuel). The chemical composition of emissions depends on the type and quality of fuel, manufacturing technology, method of engine combustion and its technical condition. One car absorbs on average more than 4 tons of oxygen from the atmosphere per year, but emits exhaust gases of about 800 kg of carbon dioxide, 40 kg of nitrogen oxides and nearly 200 kg of various hydrocarbons, that affect the environment. To reduce pollution to zero we should switch to electric vehicles.

Advantages of electric cars:

– Cheap gas station (the most economical consumers spend on average of 10 kWh per 100 km).

– Simplicity of service (no oils, candles, filters, etc. Only chassis requires periodic inspection. The power unit, batteries and attachments require only control measurements and observations. Those cars may be served at any station and the cost of services at times is less than of ordinary cars).

– Silence (electric motor runs silently).

– Ecology (no exhaust).

– Efficiency (energy using is five times more efficient than ordinary fuel).

There are also some disadvantages of using electric cars, but they can be easily eliminated:

– Insufficient number of stations (unfortunately, Ukraine doesn't have enough electro car stations, because of ordinary cars drivers majority.)

– A small selection (Small amount of companies are engaged in electric cars manufacturing. Also the cars range compared to conventional cars is less).

– Speed (for energy savings speed is limited to 80-100 km / h. In theory, electric cars are able to accelerate to 140 km / h. However, in order to have enough power for the whole day functioning, aerating is not recommended. But in the city with its constant traffic jams this car is treasure: charge is restored with jerks and breaking).

It is too early to say about electric future, but the technology is still not standing, mankind gradually realizes the advantages of this mode of transport and there are becoming more electric cars in cities. Electro cars exist, electro cars network stations are expanding, the issues of servicing and repairing are also being solved. One of the factors that could make a significant impact on the market of electric cars – is the reducing or eliminating of taxation on this type of car. Nowadays several state bills providing tax prohibition of electric cars for nearest five years are registered in Parliament. In a case of those state bills adoption, the tax on their imports will fall to 30%, that will reduce the cost of electric cars.

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