

7th World Congress and Expo on **Green Energy** & 3rd World Congress on **Wind & Renewable Energy**

June 24-25, 2019 Barcelona, Spain

SkyWay innovative transport system as a possible solution for green mobility initiative

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Statement of the Problem: Global greenhouse gas emissions have reached 37 bln tons in 2018. The transport sector is the second most significant atmospheric pollutant (after electricity and heat production). In particular, it contributes 23% of global energy-related greenhouse gas emissions and has a growth rate of about 2% annually. Thus, green mobility has become one of the most recent global trends. The growth of electric vehicles segment is one of the consequences of the above trend. The purpose of this article is to describe modern global trends in green transportation and to propose a possible solution.

Findings: By using the instruments of comparative analysis we prove the disadvantages of the existing transport. Taking the above into account, we propose a new approach to transportation. And we suggest considering the innovative transport SkyWay (passenger and cargo) as one of the most efficient global solutions in terms of ecological sustainability. SkyWay transport system, when applied globally, can save annually about 30 bln tons of fuel and 106 bln tons of oxygen, which would be needed for burning the above fuel, and prevent the emission of about 1.7 bln tons of harmful substances to the atmosphere. Besides, by moving transport to the second level (above the ground), we can return to the agriculture (and oxygen production) about 1 mln square km of soil, which is currently covered by asphalt.

Conclusion & Significance: SkyWay is an innovative transport system, which can significantly contribute to the realization of the UN Sustainable Development Goals. Taking the above into account, SkyWay has a great potential for future implementation worldwide, especially in the countries supporting green technologies.



Biography

Kiryl Badulin is an expert in finance, economics and strategic management with 20+ years of experience in public and private sector. He has got his educational background from the Belarusian State University, the Joint Vienna Institute and the University of Alabama. He has been studying the transportation sector since 2015. He works as Deputy General Director for Business Development for SkyWay Technologies Co. The study of green transport initiatives and trends is combined with the experience of SkyWay Technologies Co., which develops innovative transport of the "second" level. SkyWay Technologies Co. has built EcoTechnoPark in the Republic of Belarus, where commercial prototypes of SkyWay tracks are operating. SkyWay Group of Companies currently develops its business in the UAE, where SkyWay Innovation Center is being built and several commercial projects are being negotiated.