PLENARY SESSION

THE TRENDS OF WORLD MINING AND POWER GENERATION DEVELOPMENT

PIVNYAK Gennadiy[1] & SHASHENKO Olexandr[1]
[1]Dnipro University of Technology, Dnipro, Ukraine

Purpose. Analysis of the changes in the world coal mining and power energy generation authors make prognosis of these sectors development in Ukraine under involving the new innovative technologies.

Methodology. The studies were carried according the national plan for the development of mining and power energy sectors in Ukraine and means the improving generation technologies and wastes utilization for supporting the cheap fuel and energetic issues for suitable development and decreasing the quantity of bulks in the surface.

Findings. It is proposed that the coal mining and power energy generation development just now have a huge problem. This caused by decreasing the world economy grouse first of all due to the COVID pandemic. So we have to orient our development on insuring the traditional and non-traditional technologies. The attention is pointed on investigation of world mining and energy generating trends. The factors of the economic and ecological justification for either extension or termination of the coal enterprises' functioning are analyzed. The comparison of different indicators for energy generation based on coal combustion and the use of alternative energy sources is given. The concept of synchro-mining is proposed for more effective mining operation and extending the life cycle of coal mine territories is proposed. Some aspects are devoted to the utilization of the wastes in mining territories and solving the social problems of post-mining territories development. Such approach gives the possibility to indicate previous parameters, which are necessary to develop according the territory suiting and specify of industrial infrastructure.

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Key words: national economy, mining, energy generation, ecological and economic indicators

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