Model of Identification the Best Resource-Saving and Ecological Systems

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When modernizing existing production systems, during the assessment of their impact on the environment, it is necessary to analyze alternative options from the point of view of the environmental harm caused by them, innovation and economic feasibility. To improve the quality of the environment and ensure environmental safety, it is recommended to introduce the Best Available Techniques. In this regard, I have considered the features of the analysis and selection of the best resource-saving and environmental production systems. Then I have proposed an adaptable digitized tool implemented using a logical-information model, applicable as a single information-structured complex that provides the choice of the most appropriate production systems in the analyzed industry.

I believe that the generalization and aggregation of reliable information obtained during the procedure for assessing resource conservation and environmental friendliness of construction projects and modernization of production systems minimizes environmental, economic and technological risks when making management decisions and reduces the time of their implementation.

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