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MECHANISMS FOR SUSTAINABLE DEVELOPMENT OF INDUSTRIAL ENTERPRISES IN UKRAINE UNDER DIGITALIZATION

The article is devoted to the study of the theoretical, methodological, and applied foundations for the formation of sustainable development mechanisms for enterprises of Ukraine's industrial complex under the conditions of economic digitalization and high environmental uncertainty. It is substantiated that contemporary challenges associated with military actions, disruptions in logistics chains, shortages of energy and financial resources, accelerated technological changes, and increasing global competition require a reconsideration of traditional approaches to ensuring the resilience of industrial enterprises in Ukraine. It is proven that digital transformation serves as one of the key factors in improving the efficiency of production processes, optimizing managerial decision-making, strengthening financial and economic stability, and ensuring the long-term competitiveness of the industrial sector.

The study proposes a comprehensive approach to the formation of sustainable development mechanisms that integrates systematic digital transformation management, risk management, adaptive financial reserving, dynamic budgeting, and cash flow management. A system of quantitative and qualitative indicators for assessing the financial and economic resilience of enterprises has been developed, and an optimization model aimed at minimizing the total costs of maintaining enterprise viability has been substantiated. A conceptual model for managing digital change based on the Cash Flow method has been designed, providing flexible adjustment of digital project budgets, effective management of financial reserves, and adaptation of investment programs to changes in the external environment.

Modern digital tools employed by enterprises of Ukraine's industrial complex have been systematized, and their impact on the efficiency of production, logistics, managerial, and information activities has been determined. A classification of digital transformation risks has been proposed, encompassing strategic, financial-economic, technological, organizational, and change-management risks, and their relationship with various strategic planning approaches (RDS, CDS, and ADS) has been established. A hierarchical model of operational and tactical risk management has been developed, providing for the creation of a multi-level system for monitoring, assessing, and mitigating risks at all stages of an enterprise's digital transformation.

Particular attention is paid to issues of managing organizational resistance among personnel, developing an adaptive system of financial reserves, integrating Agile Management principles, and applying Industry 4.0 and Industry 5.0 technologies to modernize production processes.

The practical significance of the obtained results lies in the development of recommendations for implementing an integrated sustainable development management system that ensures more efficient use of resources, reduces the impact of digital risks, enhances financial resilience, accelerates technological modernization, and creates the prerequisites for the post-war recovery and long-term development of enterprises within Ukraine's industrial complex.

Keywords: industrial sector, industrial complex, industrial sector enterprises, sustainable development, digitalization, digital transformation, risk management, digital technologies, competitiveness, innovative development.