

Sustainable development of industrial enterprises through the use of venture capital and technology

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Abstract

Subject/topic. At the present stage of development in the Russian Federation, all the necessary prerequisites for the implementation of venture activities in industrial enterprises have developed, which include: global factors (determined by global economic development and its evolution), macroeconomic (determined by the characteristics of the functioning of the national economy) and microeconomic (determined by the specifics of individual business activities subjects). **Goals/objectives.** The purpose of this article is the development and scientific justification of theoretical and methodological foundations, methodological approaches and practical recommendations on the venture activities of domestic industrial enterprises in the context of their sustainable development. The object of research is the theoretical and methodological foundations of venture activity in industrial enterprises. The subject of the study is a complex of systemic ties and economic relations arising between subjects of venture activity. **Research Methods.** The methodological basis of the research is the dialectical method of scientific knowledge, the general scientific principles of conducting integrated research, the fundamental principles of modern economic theory, marketing, and the conceptual principles of managing innovative activities. In the research process were used: statistical analysis – in the study of the state of development of industrial enterprises; abstract logical analysis – when developing a conceptual model of venture financing; system-functional – in the study of the conceptual foundations of a breakthrough strategy for industrial enterprises and the essential characteristics and structural components of the economic mechanism of venture activity of industrial enterprises; methods analysis and synthesis – when substantiating the methodological aspects of the venture activity of domestic industrial enterprises. **Results.** The article suggests the process of attracting venture capital business to the development of industrial enterprises, which takes into account the specifics of the activities of domestic economic entities. The author proposes to use the liability allocation matrix to account for additional organizational costs.

Keywords: *venture business, internal venture enterprise, attraction of venture business, venture project, matrix of responsibility distribution*

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It is proposed to use a systematic approach in the management of sustainable development of industrial enterprises and successive stages of its application. The article deals with the basic requirements for sustainable development of the industrial enterprise, the purpose and function of management for sustainability. Generalized forms of stability, different approaches to the sustainable development of industrial enterprises with the definition of their identity. Select the object management in the process approach and defines the business processes of the enterprise development with a characteristic set of elements and a set of specific tasks. Sustainable industrial enterprise management has a number of benefits: identifying areas that create long-term value for the organization; efficiently managing economic, social and environmental risks; reducing operating costs through better resource management throughout the supply chain; building customer loyalty and trust through dialogue and interaction; and ensuring business stability based on good relationships with key stakeholders [14]. However, it should be noted that the possibilities for sustainable development of an enterprise are influenced not only by relationships and processes that are implemented in the company's divisions. External factors that determine the possibilities of implementing the elements of enterprise sustainability are of great importance. Copyright © 2011 Inderscience Enterprises Ltd. Venture capital needs for sustainable development of clean technologies. Maria Tunberg. A successful implementation of TAG in the water sector, in the UK, provided inspiration for expanding the use to other sectors and geographical markets where new challenges were identified. The identified risks with using a tool like TAG are associated with ethical questions, handling dependencies and the challenge of forecasting sustainable technological development. Keywords: CT; clean technology; NTBFs; new technology-based firms; sustainable development; VC; venture capital; funding gap. Reference to this paper should be made as follows: Tunberg, M. Introduction to Inclusive and sustainable industrial development. 1. At all levels of development, industry can be the primary driver in fighting poverty, ensuring food security and preventing social polarization. UNIDO's inclusive and sustainable industrial development approach is based on two main pillars: the first one is about creating shared prosperity for all, and the second focuses on safeguarding the environment. Through the implementation of new green technologies the project will also improve the environmental sustainability of the value chains. The project has been designed and is being implemented in close cooperation with local stakeholders, including the ministries of Industry and Agriculture in Tunisia and Morocco.