

Improving the Efficiency of Production Processes in a Smart Production Environment

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We have reviewed the main directions in the organization of intelligent production at the enterprises of the petrochemical industry. We believe that the transformation of the economy raises a number of strategic questions for the sphere of human resources management. Today, conceptual knowledge becomes the basis for ensuring the competitiveness of enterprises, which requires the creation and improvement of approaches to the development and implementation of strategies for personnel development that meet modern requirements and methods, as well as the integration of knowledge into the enterprise management system. The key problem of the education system, society, economy in the context of the transition to smart production is the training of personnel with the necessary competencies and digital literacy. We have developed a model personnel training for enterprises in the context of economic transformation and proposed the main measures and recommendations for the successful implementation and implementation of Industry 4.0 tools at petrochemical enterprises, including for training highly qualified personnel.

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