SUSTAINABILITY OF PUBLIC-PRIVATE PARTNERSHIPS IN THE KNOWLEDGE ECONOMY

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Abstract. The evolution of civil society is taking place in a social and technical format. The generating function of technogenic reasons determines the actual model of the state economic system on the basis of synergy arising through deep penetration of the newest technologies in all spheres of human activity. Economy of knowledge forms a new round of civilization, activity of technological segment in which completely submits to opinions of stakeholders. Symbiosis of fundamental values of knowledge economy, public consciousness and technological resources is a world trend of transformation of society. At the transition stage, the crisis agendas of information and innovation economies transmitted to the knowledge economy must be successfully overcome. The technologies that have led to the improvement of advanced industry for decades to come have been identified. The scheme of transformation of production in accordance with the epochs of technological changes arising in the State is proposed.
Post-industrial economy, Knowledge economy, Information economics, Innovative economy

Industry 4.0

Paperwork subtracting production, Human-to-Machine, separate CNC machines, computerized workplaces

Robotics, digital CNC networks, Machine-to-Machine, 3D modeling, Internet, Ethernet, end-to-end design, hybrid production

Industry 3.0

Industry 3.0 plus

Post-industrial economy

Information economics

Knowledge economy

Innovative economy

Artificial intelligence, augmented reality, BigData, Systems-to-Systems, cloud computing, cyber-physical systems, additive manufacturing, Internet of Things

Figure 1. Production segment model development diagram.