

## THE MAIN TRENDS IN THE DEVELOPMENT OF ROBOTIC TECHNOLOGIES IN AGRICULTURE

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**Abstract.** Throughout human history, agriculture has remained the most conservative sector of the economy. However, today the advanced achievements of science and technology are changing not only industrial production, they can also lead to the transformation of the agricultural sector, facilitate the transition to unmanned agriculture based on large-scale robotization of the industry. The study showed the presence of such a trend in the world. High hopes in solving food and environmental problems are pinned on robotization. Agriculture can become much more accurate, predictable and stable, finally, it will be possible to overcome the costs associated with the human factor. An analysis of the state and problems of the agrarian industry in Russia showed that it is extremely important not to lag behind the advanced countries in the implementation of the latest technologies to overcome the problems of agriculture and ensure sustainable socio-economic development of the country. The paper shows the positive experience of using robots in our country, as well as the existing potential for creating domestic agricultural robotics. The positive consequences of robotizing the industry are undeniable. However, the concern of the scientific community is associated with such a negative consequence of mass robotization as the large-scale unemployment. Therefore, all efforts of the state should be aimed at developing measures to ensure a painless, regulated transition to a robotic economy, which will help overcome the negative consequences of this process.

**Keywords:** agriculture, robotization of agriculture, world trend, deserted agriculture, labor resources, labor shortage, robots

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