PAES - Nature Similar Technology for Creation of the New Technosphere

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Abstract. In this article the author's technique of introduction of "nature similar" technologies which will give the chance to overcome a threshold of synchronous expenses is offered. Simultaneous interaction of technologically combined productions will allow to gain synergetic effect. The main link connecting new technologies the personal autonomous ecological system (PAES) is designed to become.

The personal autonomous ecological system, in economic sense, is a personal subsidiary farm, expanded and technically equipped. The list, the values made in personal ecological system increases. They in the set create the new quality of life inaccessible in former technological ways. Live organisms and lifeless substances, devices, designs are a part of personal autonomous ecological system. The system which adapts to needs and desires of the specific person functions. Physical parameters of system are supported at optimum level irrespective of weather changes, state of environment. Stability of the system provides repeated duplication of each resource from different sources, stocks of resources and a variety of their consumption. The system can be reconstructed and evolve. Everything depends on what objects are set for it.

1. Introduction

Introduction of modern technologies gives the chance to solve private economic problems of technological way, but doesn't solve a problem of transition to a phase of rapid and steady growth.

The solution of problems of agricultural production import substitution, transition from "environmentally safe" to "nature similar" technologies is relevant for Russia[1]–[3]. It is connected with the fact that the modern evolutionary direction of development of economy is uneven, nonequilibrium in unity of technological, economic, political and social and technological elements. There was a need to add a methodology and practice of management of technological development[4].

Having studied and having analysed works of scientists: N. Kondratyev, Yu. Morozov, L. Mintus, S. Golubev, J. Schumpeter, K. Freeman, E. Rumyantseva, Yu. Glazev, etc., we have come to a conclusion about need of creation of autonomous ecological system[5].

2. Relevance and scientific meaning of the article

For transition to a phase of rapid growth in the next technological way economic entities need to overcome a threshold of synchronous expenses. There have to be constructed and be in a complex
technologically interfaced productions. Their simultaneous work will allow to gain the synergetic effect which is repeatedly surpassing the sum of results of work of separate productions[6].

The most important feature of technological ways consists in transition from "nature-saving" to "nature similar" technologies. The mankind turns from the consumer of the resources made by the nature into the active and their powerful producer who is built in the existing natural processes[7].

Cardinally the ecological mechanism of production and consumption changes. Production approaches the consumer and is carried out by the individual order[8]. The consumer, the buyer, the client turns into the subject to investments surrounded with the system of service. The business architecture aimed at reproduction of the labor capital is formed. The value of the person for investors is defined by two main factors: purchasing power, an opportunity to make values for investors and consumers[9]. Goods, services, service, the systems of service, business - architecture can be such values[7].

The personal autonomous ecosystem (PAES)[5] offered by us is designed to become the main hub connecting new technologies for obtaining synergetic effect.

The goods, services and other values are made by the individual order inside of it[4], [10]. Being entered in the natural processes happening on the earth this system repeats and strengthens them by means of technical means.

It is important to emphasize once again that interaction of objects, various by the nature, creates the synergetic effect allowing system to find stability and reproducibility[11]. At the same time, the ecological autonomy doesn't mean economic isolation at all,

it is provided with the high level of services, the large-scale and accelerated commodity turnover, the developed financial structure[4]. It is explained by high efficiency of the personal autonomous ecological system which is continuously giving food and organic raw materials, heat, water, the electric power[6].

3. The aiming of PAES technologies
The aiming of PAES technologies at the highest quality of human life is explained by need of his all-round development and continuous training, long and fruitful activity[7], [12]–[15]. The sixth technological way, sharply reducing a share of materials and energy in goods, raises a share of intellectual expenses[12], [13], [16]. We have developed a model range of PAES of various power, the sizes and appointment. Depending on financial opportunities and needs of the person it gives the chance to get or construct any model, and also to complete more and more perfect models, spending a part of the gained income[17]. The Rise model and the following ones, more complicated and perfect, are demanded by creations of the family estate[12], [16], [18], [19]. Personal autonomous ecological systems are united to ecovillages, and ecovillages in ecopolices. The best form of ecopolices can be considered the linear cities stretched along transport and power communication today[20]. Perspective it is possible to consider creation of the transport systems formed with use of elements of string technology of Yunitsky. Now there is a sense of a message the coordinated design of linear ecopolices[21].

Economically more preferably, in the conditions of Russia to begin creation of ecovillages along future transport systems constructed with use of elements of string technology of Yunitsky. Returning to the traditional self-government offered by S. Radonezhsky is relevant. The patriarch Kirill noted that the era of humanity has ended. The transformation era begins. In 2013 he mentioned that the system of the economic relations of S. Radonezhsky still remains relevant. The attempt of the archpriest V.A. Chaplin to develop the system of orthodox banking has terminated in a fruitful discussion[22]. The conclusion has been drawn that the loan capital has to be replaced with participation in the capital, and corporate management has to aspire to forms, structurally and standardly, close to S. Radonezhsky's system. Personal autonomous ecological systems (PAES) can begin to be built almost from zero expenses on the basis of available personal subsidiary and farms[23].
Cardinally the ecological mechanism of production and consumption changes[24]. Production approaches the consumer and is carried out by the individual order[8]. The consumer, turns into subject to investments, the surrounded system of services, the business architecture directed to reproduction of the labor capital is formed[1], [5]. The value of the person for investors is defined by two main factors: purchasing power, an opportunity to make values[25]. Such values can be: goods, services, business architecture. All the elements, components in PAES exist. However they haven't been united in uniform system therefore had no synergetic effect[10].

4. Conclusion
The technique of creation of personal autonomous ecological system offered by us is simple and rather cheap. It allows to overcome a threshold of synchronous expenses and to pass to rapid economic growth on the next wave of the Kondratyevsky cycle[26]. It acquires the special value and relevance in the focus of proposals of the President of Russia V.V. Putin on search of "nature similar technologies"[22]. The developed and voiced ideas of our really great compatriots: S.Yu. Glazyev's academicians, M.V. Kravchuk have received the global publicity and have chance of fruitful application[6], [27].

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