

DarkStar Aerospace, A Focal Point Of Preparation For Space Colonization.

DarkStar Aerospace, a company dedicated to supporting entrepreneurial and community initiatives aimed at colonizing space, announces the creation of a focal point based on its company. Serving as a center for the unification and interaction of analysts, enthusiasts, entrepreneurs, public figures and ordinary supporters of the colonization of space. In order to develop a global, entrepreneurial and social structure that unites the intellectual, industrial and financial forces of mankind aimed at preparing for the colonization of space, and at the practical industrialization of the solar system.



Prospects for space expansion.

As is known, modern humanity is close to the beginning of the colonization of space and the transition to the level of space civilization. Space flights have already begun, but have not yet led to the beginning of mass industrial development of the solar system. Together with which, humanity will have access to unlimited resources. Get the opportunity to create a society of high level of development and universal prosperity.



The upcoming cosmic expansion of humanity is in many ways similar to the sea expansion of European peoples, which began about 500 years ago. It gave Europe access to new spaces and resources, which triggered the development of the economy, the beginning of scientific and technological progress. And in the end, raised the European countries, and after them all of humanity, to the level of modern scientific and technological civilization. Similarly, in the future, the beginning of the industrial colonization of the solar system will give mankind control over new spaces and new resources, thousands of times greater than everything available on earth. It will give opportunities for virtually unlimited growth of industry and the economy, without threats of resource shortages or environmental crisis. Economic growth will be followed by a general civilizational ascent to a qualitatively new level of development.

The civilization of the cosmic level will be as qualitatively different from the modern as the scientific technological civilization of the present time is different from the medieval one. Only the upcoming civilization rise will occur much faster, thanks to the speed of modern progress. It will not last for centuries, but for decades.

Opportunities for the development of space expansion.

According to analysts of the state space administrations, the beginning of the full-scale industrialization of the solar system in the near future is impossible. Due to excessively high prices and lack of necessary technology. But such an opinion is justified only in part.



The technological level and economic power of modern humanity are sufficient to begin the colonization of space. There are many projects of new space transport infrastructure, much cheaper and more efficient. There are well-developed and cost-effective projects for the development of extraterrestrial resources. Such as, the extraction of materials for the design, fuel, precious metals, on the moon or asteroids, the construction of orbital solar power plants. Development of space production, which will allow to receive the bulk of products and consumables in space, without spending money on expensive delivery from the earth.

The main, promising direction of space production is the use of digital production technologies. 3D printing of parts, with automatic assembly of finished products. And micro factories - "Replicators", capable of producing their own copies and quickly "multiply", with the necessary mineral resources and energy. Prospective space micro factories replicators, machines are relatively light, and not expensive. By weight and cost, comparable to modern satellites or orbital station modules. But in space, they will be able to create numerous groups consisting of micro factories and universal robots, in hundreds or thousands of machines. The groupings of replicators will build bases, industrial plants and infrastructure. The industrialization of space with their help will not be too expensive, but it will be fast, large-scale and super-profitable.

To prepare for the mass industrialization of space by replicators, it is better to first develop the mass industry of micro factories replicators on earth. To transfer the terrestrial industry to technologies that allow, without significant obstacles, to continue its further expansion in the solar system. That all terrestrial industry could begin mass transition in space, after one stage of technological modernization. Such an approach makes it possible to start full-scale colonization of space many times faster, without strong containment barriers, and much more confidently.

Preparing for the colonization of space on earth, through the development of technologies and industrial infrastructure capable of working in the future space industry, "Sub Space Industry", is one of the main activities of the coordination center DarkStar Aerospace.

The global economic potential is 70 trillion dollars a year. If there are cost-effective programs for the industrialization of space, in the short run, private firms can involve tens of billions of dollars in its turnover. This is enough for the first stages of the growth of the space industry, expansion of the satellite constellation and satellite services. What is possible in the next 5 - 7 years.

In the next stages, the mass development of space production, transport infrastructure, the extraction of valuable resources on asteroids and space solar energy, in 10 - 15 years, the turnover will grow to trillions of dollars a year.

Due to the rapid growth of the space industry based on replicators, its turnover in 20-30 years may exceed the current global GDP. After that, a further increase in the well-being of the inhabitants of the earth will come at the expense of the growth of the space industry.

These figures are approximate, if the first development projects on earth of micro factories replicators, will pass with a good result, the full-scale industrialization of space will begin faster.

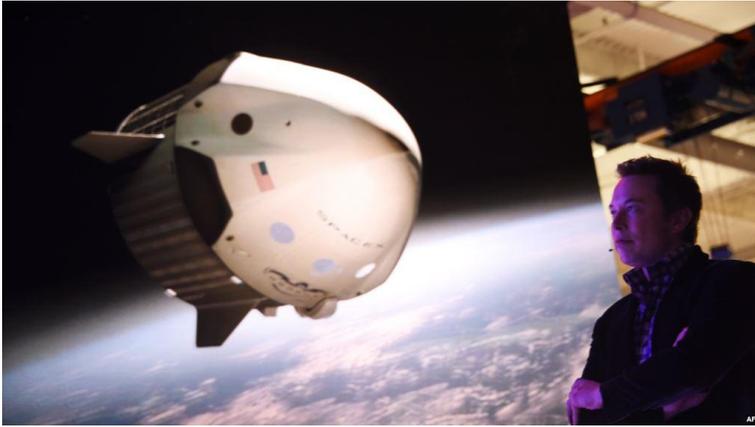
The role of private projects in the upcoming colonization of space.

State space administrations do nothing for the practical colonization of space, simply because they do not strive for this goal. They use scientific space programs to maintain the status of power. Their goals are the race for records and prestige, but such goals will never lead to the colonization of space, regardless of funding.



In recent decades, private players have begun to actively engage in space exploration, with more practical goals. The advantages of space private owners are that their goals are the race for space resources and the profits from the industrialization of space. Industrial investment, in contrast to government budgets, is practically unlimited. Private entrepreneurs are potentially able to create a transition bridge, from the earth to the space industry, and to involve the earth industry in the process of industrialization of the solar system.

The disadvantages of private projects are that they are divided, they do not interact with each other and with the industry of the earth. They do not know how to use industrial investments, and do not have global, long-term plans for the industrialization of the solar system. And because most of the space private owners and startups do not have money for the implementation of full-scale space projects, and they are mainly engaged in experiments.



Only Space - X, which has created a fleet of low-cost, partly reusable rockets, has good results. He plans to create super-heavy carriers and a global system of cheap satellite communications. But Space - X could achieve much more, in conjunction with major programs of industrialization of space. In this case, they would be participants in large-scale, far-sighted programs and would attract much more industrial investment to their missiles.

The role of the DarkStar Aerospace focal point in preparing for the upcoming colonization of space.



The DarkStar Aerospace Coordination Center will work to integrate different players and society into global projects related to the preparation for the colonization of space on earth and the practical industrialization of the solar system.

The main tasks of the coordination center are:

Formation of a strategic coordination council. Creating a community of players and enthusiasts of space colonization, generators, projects, ideas and initiatives. "World Coordinating Council for the Development of Space Colonization".

Strategic planning. Elaboration of global strategic plans for preparing for the colonization of space and its practical implementation. Assuming the distribution of roles between participants, their coordinated interaction among themselves. Interaction with industry and society of the earth. Strategic plans should be calculated from the current state of private space projects, before the start of full-scale industrial development of the solar system. So that planning horizons are not limited to "Local tasks", the scale of individual projects, and the

achievement of results significant within individual projects, but intermediate, or insignificant, within the global goal, the beginning of the colonization of the solar system.

Interaction with the scientific industrial environment of the earth. Building relationships of the coordinating council and individual projects with industry, big business, banks, and research institutes. For the formation and development of scientific industrial infrastructure, around the projects included in the coordination council. It serves to involve industry in the industrialization of space. Development of scientific industrial infrastructure to prepare for the colonization of space on earth. And further development of the infrastructure of the space industry.

Interaction with mass business. Building relationships of the coordinating council, individual projects and start-ups, with the mass business environment, through networking business communities, and individual startup projects. It serves to involve mass business and decentralized, “Garage”, industry, in the transition to industrial technologies of the space age. And the creation of a mass economic basis for the future colonization of space.

Interaction with society. Building relationships of the coordination council, individual projects and participants, with the society, through clubs and social movements. It serves for the transition of society to the living standards of cosmic civilization, the involvement of people in the process of cosmic expansion, at the social and personal levels.

Contribute to the progress of civilization. At the general civilization level, the activity of the focal point is the transformation of earth civilization into space. In different areas and at different levels.

The DarkStar Aerospace Coordination Center is a center for uniting and coordinating activities for a more efficient and purposeful movement towards the transition of humanity to the level of space civilization.

A little from myself.

I'm Nikolai Agapov. Non-system innovator and supporter of the development of space expansion.

I have several projects related to the preparation for the colonization of space.

This is an organizational project, the creation of the global financial industrial group, the space industry. And a plan for cost-effective industrialization of the near-Earth orbit. Consisting of several stages, starting with the satellite service industry and the creation of satellite networks, for communication via serial cell phones. And then the development of an industrial center in earth orbit, orbital transport infrastructure, orbital solar power plants, and the resource base on the moon.

In the future, a similar industrial grouping can be created in Mars orbit. "Near the Martian industry", should deal mainly with the extraction of valuable resources in the asteroid belt. But it can also accelerate the colonization of Mars, as it creates direct economic rationales for the development of vigorous activity in the vicinity of Mars. And the industrialization of the Martian orbit will be followed by the creation of permanent bases of settlements on the surface of the planet.

Space projects of industrial, transport and energy infrastructure, available to private teams. Projects of creation of the first, experimental, space, industrial bases, in miniature versions. Much cheaper than full-size bases, and affordable and complex for start-up teams. The project of orbital generators capable of going into orbit due to solar energy and its own engines, and then to work as components of solar power plants. Able to significantly reduce the cost of developing space solar energy. Several projects of space transport infrastructure of the new generation. And other similar projects.

Plans for the development of entrepreneurial networks in the field of small and medium businesses. For the transition to space age technology, in the mass, garage, industry. Having high rates of distribution, growth and improvement of technology. The ability to quickly and large-scale transform the mass industry of the earth into the industry of the space age, able to spread in space. And social activities, to promote the idea of space expansion in society, in the form of a transition to the living standards of space civilization. The development of clubs and communities "People of the space age."

My plans and initiatives largely coincide with the strategy of the DarkStar Aerospace focal point. Therefore, I decided to join the center and work in its composition. The focal point facilitates the development of any activity. This is an organization created to support projects related to the movement to the transition of humanity into the space age, as well as the development of this movement itself.

The transition to the space age is the future of humanity. Personal participation in shaping the future is a fascinating and promising activity.

I urge all supporters of the colonization of space, join the coordination center DarkStar Aerospace.

Great things are easier to do together!

Nikolay Agapov.