

Our project has the name - «SkyCodec - algorithm of compression (compression/decompression) of data without losses

Our project starts in 2013. The active phase of work on the project began in 2015.

The market for telecommunications services is growing rapidly and solving the problem of high-quality data transmission is becoming an increasingly commercially important task. Our development team created a special algorithm for compressing (compressing) data, which allows you to store information using less memory while maintaining the original quality of the transmitted information. To implement SkyCode, you do not need to change the infrastructure and invest additional resources, since it is a software product that can be easily downloaded and installed on any device - the service provider's server, home computer, smartphone, etc.

SkyCodec is focused on the telecommunications market: IP-telephony, M2M, IoT, Internet, cable TV, cellular communication of any format, various storage systems. The scope of the market is unlimited and affects almost all areas of activity of both companies and end users.

After the release of the finished product, we plan to implement it in every system and database of potential consumers. Today, all kinds of compression algorithms used on the market are paid and for their use, service providers are obliged to pay royalties. In addition, we are considering the possibility of creating chips/microchips for instant data compression “on the fly”, which can be installed directly into a device capable of transmitting data.

The profitable part of the project will include:

- sale of the finished product (software) to the potential company, consumers;
- sale of microchips for implementation/installation of them within a telecommunications company;
- sale of license to use SkyCodec;

The expenditure part of the project includes:

- bringing the project to the final part/release of the finished product;
- creation of a chip and its mass production;
- project promotion, marketing, access to the European and American market.

The main competitors are the existing compression algorithms, which do not demonstrate a high degree of lossless compression.

It is important to note that the codec (codec/decoder) is just a program that can be written by different companies, different in terms of external design and features, and so on. The most important component is the algorithm, which determines the very method, the way and the process of encoding and decoding.

Summarizing the foregoing, the main shortcomings of existing codecs (more precisely, algorithms) can be identified:

- insufficient compression;
- the need for fast communication channels;
- a sharp deterioration in quality in case of failures in communication channels;
- the need for large computing resources;
- too much battery consumption in mobile devices.

The advantages of our project over the already existing software from the technical side are:

1. SkyCodec allows you to compress data at the level of the best and popular methods of data compression (graphic, audio and information - JPEG, JPG, GIF, RAR, ZIP, MP3, etc.)

2. After data decompression (graphic, audio), the quality of the original data is preserved, as before compression. This property is unique.

3. Allows to increase the amount of transmitted information through existing networks without finalizing the networks themselves.

4. Requires less memory for storing information.

Economic advantages:

1. Reduce the cost of maintaining data storage equipment (personnel, electricity, repairs, facilities, etc.);

2. Reduce capital expenditures for the construction of data centers.

3. Modernization of networks without capital investments in additional equipment.

4. Allows you to create a new product with a new demanded content (including licensing, branding, IPO, etc.).

Strategic objectives pursued by the project:

- resource development (qualified personnel, capital, modern equipment)

- access to the world market of telecommunication services for data coding;

- seizure of market share during the year by 20%, further monopolization of the data coding market due to innovation and lack of analogues;

- capitalization of the project in the amount of not less than 1 billion dollars within 3 years.

At the moment, such companies as Amazon and Facebook are interested in the project. According to preliminary estimates by Amazon, the project, at this stage, is estimated at 3.2 billion dollars. For the further capitalization of the project, up to 10 billion dollars, it is necessary:

- 200 000 \$ - implementation of video player adapted for the algorithm codec, which will play video files in 4K format in REALTIME mode;

Auditing services:

- 120 000 \$ auditing services of Ernst & Young;

- \$ 140,000 for Gartner's audit services;

Further investments in the development of technology:

- 2 000 000 - 3 000 000 \$ - creation of a chip / microchip for integration into existing systems;

- 1 000 000 - creation of software for chip / microchip

The required amount of investment: 460 000 \$.

Total investments in the project: 4 460 000 \$.

We offer the following conditions for investor participation in the project:

1. When investing up to 1 000 000 \$ - 3% from the sale of the project/technology;

2. When investing over \$ 1 million - 5% from the sale of the project/technology

Thank you for taking the time to read my letter. I look forward to further cooperation and partnership.