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THE MOST IMPORTANT MODERN UKRAINIAN INVENTIONS

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The development of the world's scientists do not cease to amaze modern society. There are a lot of creatives in Ukraine who took a swing at creating unique inventions, often without large capital and special equipment. The printer that transforms images into three-dimensional figures, videos aerodynam, blimp — these and many other developments of our Kulibin win both Ukraine and abroad. Now our country also has much to be proud: in Ukraine are developing as navigators for the blind and smart bracelets.

The aim of the present study is to consider the last Ukrainian inventions, their using in different areas and role in human life.

Ukrainian Yaroslav Isakov, currently living in London, founded the company Swimmerix that made smart bracelet especially for those who enjoy swimming. Unlike waterresistant analogues, like FitBit or Jawbone. Fitbit, Inc. — American Corporation, a manufacturer of consumer electronics and wearable devices for fitness and health with the same brand. In the main line of the company products are bracelets, fitness trackers and "smart" Wi-Fi scales. A bracelet Swimmerix in the configuration has besides a special base station and created by swimmers for swimmers. Potentially, development could become the industry benchmark for people interested in either artistically involved in swimming.

Behind Isakov extensive experience in the leadership of large companies. He worked in the English office of the EBRD, was the Deputy Director of Uktransnafta and later set up home cord blood Bank HEMAFUND. Now Yaroslav is a swimmer and for some time headed the diving Federation of Ukraine. In the course of employment he came up with the idea to make a good fitness tracker for people to do in the pool . Today's options, such as adapted versions of Garmin or Jawbone UP3, did not fit at first due to the fact that the pool for these devices — only one of the areas of interest. Needed accessory made specifically for swimmers. Thus was born the idea Swimmerix. In the basic equipment includes a bracelet and base station that can simply strengthen directly into the pool wall or put on the side. The base connects to the bracelet and reads the collected biometric data. "The swimmer can't get distracted during training, in order to ascertain its characteristics. Need for the parameter, for example pulse or speed, can't he get on base before the swim, the number is perfectly visible on the display even at the remote distance" — explain in the company.

Such approach allows Swimmerix to be useful both for experts and for Amateurs. Experts it provides statistical information that can be successfully used in the course of employment Fans are offered training programs aimed at developing muscle, weight loss, and not only. In addition, developed applications for mobile phones which can be traced back to the acquired data. "Fans can now swim with a purpose, not just up and down a private track. To achieve each objective you need to sail under a certain temp, pulse etc. and now you can't keep it all in my head, this looks Swimmerix", — says in a startup.

The bracelet is color identifier, which gives a hint to the subsequent actions of the swimmer. For example, when yellowish the signal is to slow down, at the greenish — accelerate, when the blue — everything is fine. Red signal suggests that exercise time to finish.

Today there are many different designs for blind people, different lights, books, websites and so on. The inability of these people to adapt quickly to the environment was the

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impetus for the creation of the following inventions. 14 -year-old student from Odessa Boris Chubin have created a unique navigation computer for blind people. With this invention the young talent won the prestigious competition in Ukraine. The student are invited for an internship in the US, and investors are willing to implement his project – they estimate that by 2017 the invention schoolboy could bring millions of dollars in profits. As recognized Boris, he saw blind people – how hard they have to navigate in space, how to treat them around. That is why the student engaged in this project to make life easier for blind people.

"Had to try, – says the ninth. – Because I don't know exactly how people live, deprived of vision. I've studied the literature and talked with the blind, called the Museum of the blind in Germany".

The result is a mini-computer, which can later be mounted on the arm and is like GPS, just like this Navigator shows the route and tells. As Boris hopes, in the future he will be able to download not only a map of a particular city, but also a map of the entire world. Their offspring Boris called "iHelp". "Even if you choose to fly in an airplane with my device, it will automatically be configured for city or country of arrival," explained the inventor of the technological details of the operation of the device. Boris Chubin will be able to represent his project in the US - now to it are of great interest to investors. As admitted Boris, to America he will go next year – as long as the guy is improving his invention.

A group of Ukrainian programmers, with the support of a volunteer "National project" has developed a system of planning, intelligence and coordination on the battlefield — "combat". The system of "combat" allows real-time tracking of the movement of soldiers and units in carrying out combat tasks, provide guidance, and to understand in what condition a specific soldier or group. The system was based on the program developed in 2012 while playing airsoft. The old program has improved and added functions in accordance with the requirements of the military. Thus was obtained a military analogue program, which includes system protection, encryption, military grid, voice, voiceovers, integration with rangefinders, etc. Development of the system took about six months.

As the developers of the system "combat" is a field Navigator. Similarly, a car Navigator, which indicates the direction of movement, this program specifies a particular unit where to move, what dangers there are on the route, where the neighboring units. The core of the system allows you to share any data with system of Aero investigations, a tablet with a ballistic calculator and etc. The Headquarters can see the position of the various units, their subordination, status. For example, the headquarters will receive information if the unit requires repairs or refueling of equipment, replenishment of ammunition. You can also see the status of individual soldiers, for example, injury, a shortage of ammunition. In addition, the commander can quickly obtain information from the battlefield. For example, upon detection of an enemy tank commander fixes it at some point and can give the order to attack him, to hold the position or soldiers retreat. However, the system can be effective against friendly fire. But for that she needs to be armed with not one, but all units that can be expensive.

The system of "combat" allows pre-planning of the operation. And after its completion you can view all commands and to perform the correct orders and the adequacy of the actions command.

So, from the above we can conclude that modern products of our compatriots have quite a significant value both for our country and for countries all over the world. Our inventors will be able to develop in different areas and will be able to help a lot of people of all countries, the main thing is for them to enlist the support of investors and to bring their ideas to life.