

They heal people thanks to VR technology. Their idea will change medicine

Technology is entering the world of medicine more and more boldly. The creators of VR TierOne also decided to take such a step, where the world of virtual reality helps them heal people. As they themselves emphasize, the VR and AR industry may revolutionize more than one segment of our life.



Photo VR Tier One

Behind them is a long history of functioning on the market, over 40 years. However, during this time, the creators of the VR TierOne project dealt with many things that largely depended on one - the current needs of the client. However, with the advent of VR technology on the market, they noticed its potential. Similarly to the creators of Imaginarium, visited by numerous tourists, they decided to use it in business. - Many years on the market have taught us to be vigilant and listen to the needs of our customers. We have combined several trends, business threads and observations from recent years. One of the trends is technological progress and the beginning of the era of virtual reality and its use in various fields - says Paweł Pasternak from VR Tier One.

Initially, the founders of VR TierOne started to issue mandales, i.e. relaxing coloring books for the elderly. - This move turned out to be a bull's eye, because there are crowds of stressed, pressured and dizzying pace people who want help, not necessarily pharmacological help, says Dorota Pasternak-Wyrwas - co-founder. However, this was only the first step towards their groundbreaking innovation. Based on the research of prof. Joanna Szczepańska-Gierachy, who noticed that the patient's mental state had a negative impact on rehabilitation and, using the potential of VR technology, developed a revolutionary method. - Therefore, we started work on creating a new method that will help to solve the identified problems using our potential and previous experience. The main architect of the system, Tomasz Mandzyn, decided to implement mandalas into the virtual world and at the same time a decision was made to start a research project on the VR TierOne therapeutic solution - says the co-founder.



Photo VR Tier One

The interest in the idea is very high

The solution proposed by Wrocław innovators was very well received. What's more, they managed to obtain funds from the National Center for Research and Development under the Gamelnn program, which partially refines the research and development costs incurred.

- We have contracted several VR TierOne devices. They will go to a private cardiology clinic, a retirement home, a psychotherapeutic office and a public hospital to a neurological rehabilitation department, says Tomasz Bednarski. There are also further talks with the nationwide network of medical facilities - he adds.

Positive opinions are expressed not only by medical institutions, but also by the patients themselves. - Patients who have had the opportunity to participate in the therapy so far are delighted with the effectiveness and the form of therapy itself. Clinical trials in the neurology and cardiology departments show a statistically significant improvement in those people who received additional therapeutic support in the form of VR TierOne. In patients with depression and an increased level of anxiety, a significant reduction in the level of anxiety and improvement in mental condition can be noticed after the use of therapy. The worse the patient's condition, the better the results are of the therapy, says the co-founder.

It is not the end

The creators intend to develop their innovations further. - The VR TierOne therapeutic solution can be used by patients all over the world and ultimately we would like to enter the international market. We have started selling in Poland and would like to quickly cover as many segments as possible. We would also like to go out into the world and expand our activities in European countries and outside Europe. In this case, however, we need the support of a foreign distributor or an industry investor - says Grzegorz Rodziewicz. In addition, we conduct scientific research on other diseases to which our product may be applied. We are optimistic when it comes to product development in other fields of medicine, in particular cardiology, pulmonology, oncology and geriatrics. Independently, we are working on a home version, available to every patient. It will be a simplified version adapted for home use. At this stage, we cannot reveal more details, but we have high hopes for this version. Especially that people who have dealt with the VR TierOne medical solution often ask us about it - he adds.

However, for all the plans to be realized, the initiators will now be looking for an industry investor. Thanks to this, they will not only be able to further develop their idea, but also be able to think about foreign expansion.

"The VR and AR industry, i.e. virtual reality and augmented reality, is currently on the rise. It seems that many market segments, many institutions and consumers await the development of these industries. The future of this industry largely depends on the development of hardware and software, which together should ensure the greatest possible ease of access and use. We are currently at the beginning of this path "

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