

Section 03. Smart Solutions in IT

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Augmented Reality and its Integration into our Lives

Augmented reality is a technology that allows for virtual objects to be placed in the real world in real-time, enhancing our information about the world around us. Augmented reality glasses are worn in the same way as virtual reality glasses so that they enable the wearer to interact with these images as part of the overall experience.

At the moment humanity does not allow technology to realize the full potential of augmented reality. Fortunately, hardware components are being decreased and their power grows. Augmented reality glasses are quite complex in creation what complicates their production.

Because of costly research and development, as well as the design and implementation, augmented reality products cannot be self-sustained. The problem of high cost of components negatively affects the attraction of investments. The introduction of this technology into some scope of work or study should first justify the funds expended on it.

Glasses of augmented reality are coming to the market, and research on their effects on the brain and mobility is to be conducted. It is known that augmented reality can lead to underestimating of the reaction time and the danger of unintentional neglect of the real world, or long-term vision focusing on a certain similarity of the screen can cause eyesight problems.

Being immersed in augmented reality world, a person can lose the perception of the real life, get addicted to an AR and be unaware what is happening in a real life. One more point is privacy. The matter is that, our personal wishes, preferences, thoughts have an influence on what we "see" in AR world. Companies having such technologies can break into our personal life and our personal data can be stolen and even sold to anybody.

But AR optimists consider that there are more advantages than disadvantages in AR. Thus, today it is quite difficult to talk about the full integration of augmented reality in our lives. It is rather a short step to the future. To start with, it is necessary to attract investors to the project. It would speed up its development and ensure the support of the IT-giants. The problem of the influence on the human brain should be given more attention and proper research.

Augmented reality is a promising project and our future. Moreover, there are already areas where this technology is successfully realized. However, for the above mentioned reasons, it is too early to hope for its mass production and distribution. In the near future one should expect its implementation in the various spheres of human activity.