

EXAMPLES OF VIRTUAL REALITY APPLICATIONS

The exact history of virtual reality is unknown but it's been a topic of conversation for centuries. However, it is only recently that technology has emerged to transform fantasy into reality.

1. Healthcare

The most important way VR is modernizing healthcare is through training. VR facilitates an environment to learn and grow outside in real-world situations.

With VR, specialists who need to perform very precise operations can practice without being in the midst of an emergency.

And practitioners who need to get familiar with the hospital environment can do so without the extra stress involved.

The technology is also being used in cognitive behavior therapy where patients with phobias and anxieties work through their problems in a controlled environment.

2. Entertainment

The entertainment industry was one of the first to incorporate VR and still remains one of the strongest examples of how it can be applied. If you look at online and/or console gaming, you will see that VR has a strong presence in this industry.

Similarly, VR is being introduced to cinemas and theme parks to simulate movie-like adventures and let people experience their favorite cinematographic masterpieces.

3. Automotive

VR helps car manufacturers in analyzing road scenarios and the behavior of cars. The simulated situations allow them to analyze and make changes to the prototypes before developing a new model.

Virtual reality is widely used in the development of smart cars that will flood the market in the future. Cars learn how to drive, turn, and stop using artificial intelligence (AI) and virtual reality.

4. Education

Even though education is believed to be a rather slow industry to pick up new trends and technologies, VR has already shown a lot of promise.

For adults, it means that any industry can provide professional training to their employees. But for younger students, VR is part of educational games, field trips, and in general experiencing the world.

5. Space & Military

Given that these two industries have to operate in rather dangerous environments that can't be easily accessed, VR provides conditions for making things as close to reality as possible for training.

VR enables trainees to go through preparation with minimal risks and even helps soldiers suffering from battlefield trauma to overcome these conditions and prepare for new or unexpected situations.

6. Architecture

Using VR, architects can not only envision what they're building but understand how it feels as well. This allows them to experience the space before it is built and make real-time changes to deliver customer satisfaction.

7. Digital Marketing

While most people don't like commercials, experiencing the use of a product close-up can actually be an entertaining and enlightening experience. There are a variety of applications of VR in digital marketing.

For example, retailers can show potential customers how a product will look in their home. Or nonprofits can create more empathetic messaging for political issues.

8. Occupational Safety

Occupational safety and health (OSH) is a concern for workplaces with machinery or natural hazards.

These workplace dangers can be addressed in a simulated environment so workers can learn how to respond to them effectively without being hurt.

9. Social Science and Psychology

Much of this industry relies on VR so that a patient can embody someone else and imagine reality from a different perspective or worldview. Immersive environments can leave positive impacts on future social interactions.

10. Tourism

Try a holiday before you buy it. No, seriously. One pointed virtual reality application is tourism.

You can go on guided virtual tours of hotels, landmarks, restaurants, and whatever else you may want to visit on your next vacation. And then when you do go, you know you won't be disappointed.