

The billionaire company Elon Musk successfully developed a system that helps control computers by thinking

In the future, perhaps the prospect of people thinking about controlling things and communicating with each other will no longer be unthinkable, which only appears in Hollywood blockbusters.

Exactly 2 years ago, billionaire Elon Musk officially introduced an ambitious startup project named Neuralink. Basically, Neuralink is a startup company operating primarily in technology, but the technology they are pursuing can change the lives of human beings in the future, which is to help humanity catch up. get artificial intelligence - the technology is growing at a rapid pace in the last few years. More specifically, the technology allows us to connect to the computer through the brain, upload or download ideas, data and information only through thought.

1. 7 brain training exercises that help you improve your memory and maintain a clear mind



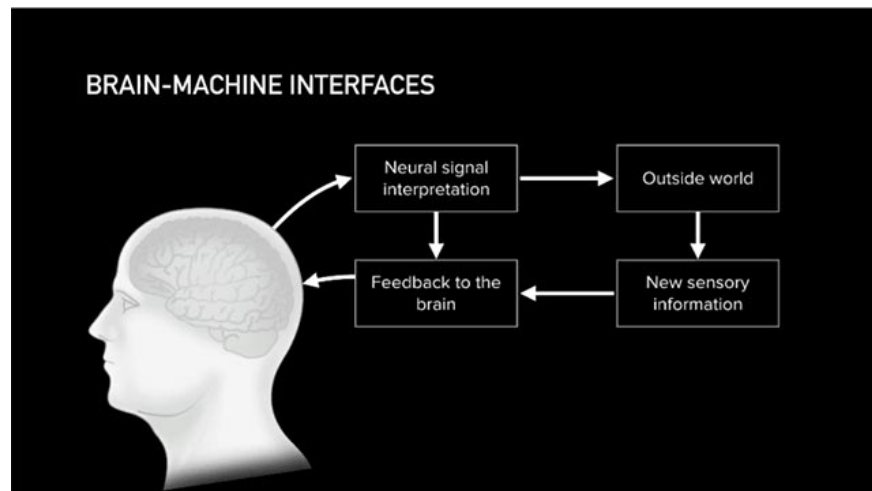
Elon Musk's ambition is to make better use of the brain's potential

And after two years, Elon Musk and his colleagues began creating imprints that made the world mention their names. According to a Bloomberg report, right now, Neuralink has officially grasped a system that can "read the mind of a rat with the help of ultra-small electrodes, implanted in cells as well as joints." nerve in their brain, then connect to the computer to analyze the received signal '. Currently, Elon Musk and colleagues are planning to seek approval from the US Food and Drug Administration (FDA) to begin testing this system on people right in 2020.

Max Hodak, the current chairman of Neuralink, revealed to the media at a brief press conference that his company intends to drill a hole about 8 mm in diameter into the volunteers' skulls to test, Then implant and set up some necessary machines. These state-of-the-art devices, if they work as planned, can help volunteers control and perform tasks on smartphones and computers just by thinking without using them, leg or any other body part.

Max Hodak added that in the future, Neuralink plans to use lasers to drill skull holes, to reduce pain to the maximum.

1. Researchers invented a method that allows playing a puzzle game through brain waves

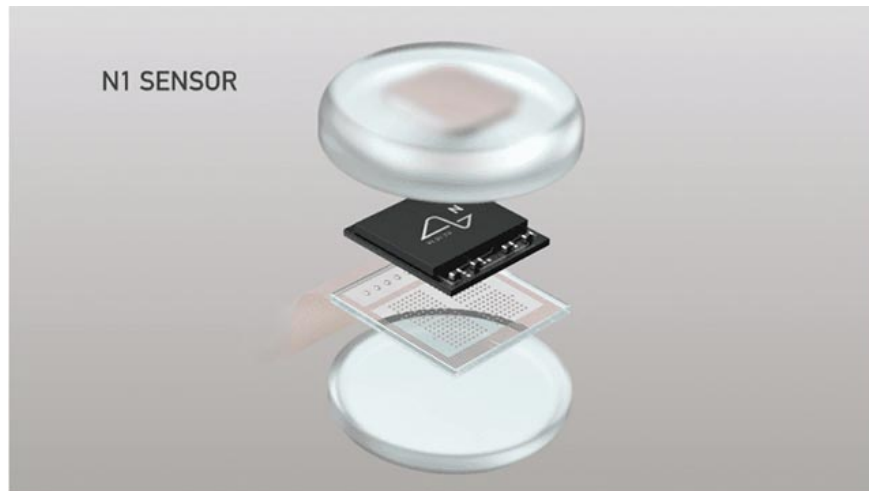


System interface diagram connecting the brain to the computer

In the whole process, the step of implanting equipment into the cortex will be an important stage, at the same time, potential risks. To limit any negative impact on humans, Neuralink's team developed a special type of robot, equipped with a needle of about 24 microns in size (micrometres, one millionth of a meter) to insert. Super-fine threads into the cortex, with maximum precision. Hodak said these special threads must be firmly attached to the skull, and about 60 microns away from neurons, no more, no less. Besides ensuring safety, the goal here is to build a wireless device that can be used in a cortical environment for a long time.

Besides, the company has also developed a small sensor of about 8mm diameter and can be inserted directly into the brain. Max Hodak added that it is possible to transplant 3 to 4 sensors into the brain and they will connect to a mini computer that can be carried with you, named Link. The link has a very small size, so you can wear it right on the ear. Connecting this mini computer to sensors already in the cortex will allow for the collection and analysis of all mutations from neurons, and even to update new software (firmware) for the system automatically and easily without removing any parts.

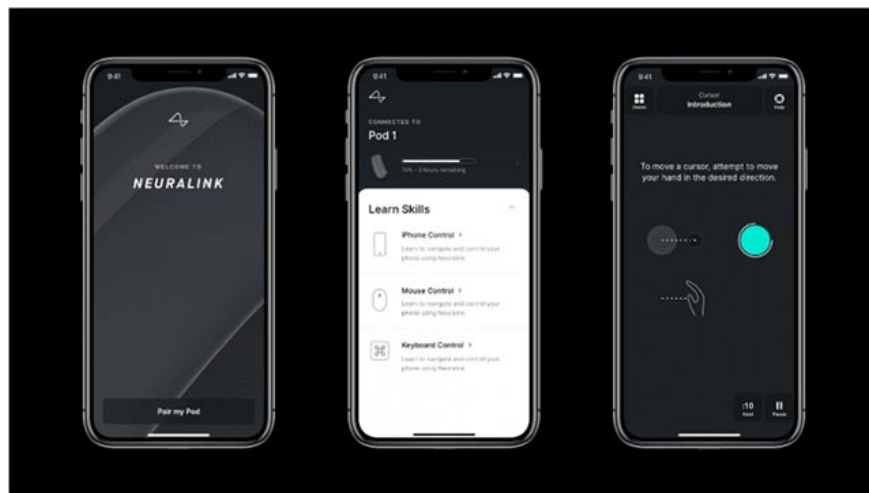
1. Experts want Apple to remove the Snooze button - the alarm several times, because it can cause brain damage



Micro sensors will be attached to the cortex

At the first stage of the project, Neuralink wants you to control mobile phones, mice and keyboards through this system. The company has also developed an iPhone app, which can help you control your phone, keyboard or mouse with gestures. If human trials are successful, this technology will open a huge potential for application in many different areas, such as simple electrode implants, to help treat disordered diseases. Nerve hard to cure. This is also a market worth up to billions of USD, promising to bring a big profit to help Elon Musk and his colleagues continue to maintain bigger ambitions in the future.

1. Japanese students take whole fish as USB, use fish brain to save data but can only make scenes



Application on iPhone by Neuralink

Although it was established in 2016, until now, there is very little information about Neuralink's activities and plans, but the ambition and determination of this young start-up company is something that anyone can see clearly. In an event held at the California Academy of Sciences, Elon Musk said Neuralink's goal is to understand brain disorders and how to effectively connect the brain and computer system. In the future, perhaps the prospect of people thinking about controlling things and communicating with each other will no longer be unthinkable, which only appears in Hollywood blockbusters.

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