



Human Brain Implant by Neuralink

Source: [HT](#)

Elon Musk announced that a **3rd person** has received an implant from his [brain-computer interface company, Neuralink](#), to connect the nervous system to machines.

- Neuralink plans to expand its trials with the **goal** of implanting the experimental devices in **20 to 30 more people in 2025**.
- **Brain-Computer Interface (BCI):** BCI is a technology that allows **direct communication** between the **brain and external devices**, such as **computers or prosthetics**, bypassing traditional neuromuscular pathways like **nerves and muscles**.
 - BCIs use sensors to **detect brain activity**, translating it into commands that allow individuals to control **devices or interact** with the world using their thoughts.
- **Potential Applications:** Brain interfacing for conditions like [epilepsy](#), [Parkinson's](#), and **neurodegenerative diseases**.
 - Enabling control of **prosthetics and wheelchairs** through thought.
 - Restoring communication for **paralyzed individuals**.
 - Enhancing [VR/AR experiences](#) using thoughts.
- It is different from [brainware](#) that uses **brain organoids and microelectrodes** to create an "**organoid neural network (ONN)**" integrating **living brain tissue into computing**.
 - Brain organoids are **3D stem-cell-derived tissues** that **mimic human brain structure**.

Read More: [Neuralink's Blindsight Implant](#)

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