



QVITI

PRECISION NEUTRAL TECHNOLOGY FOR THE IMPROVED QUALITY OF LIFE

Advanced neuromodulation therapy personalized to your
unique neural patterns, delivering breakthrough
treatments for neurological conditions.

QVITI Solution

We provide the **best in class** complete **Neurorehabilitation therapy**. **Affordable, Accessible, and Innovative**. Both for clinical and home-use.

Competitive Advantage

While many Neurotech solutions focus on either stimulation or therapy content, we deliver a **fully integrated, medical-grade neurorehabilitation ecosystem** combining certified tES hardware, immersive VR environments, and an AI enabled **unmatched neuroplasticity boost**.

What sets us apart:

- Certified medical device (MDD)
- FDA pivotal trial for aphasia treatment in progress
- Multiple stimulation modes supported (tDCS, tACS, tRNS)
- Designed for both clinical and research use (remote-supervised)
- Seamless integration of VR-based therapy targeting post-stroke, aphasia, and more (in the future)
- Unprecedented neuroplasticity boost due to VR- tES Fusion (in the future)
- Real-time adaptation & insights through AI + IoT data blending
- Built with global scalability in mind —used in 20+ countries
- Wearable tES prototype, ready for certification
- Extended patent family - brain stimulation system & aphasia treatment



tES—multiple use

tES is designed to help a wide range of neurological conditions by enhancing the brain's natural capacity for neuroplasticity.



Neurological rehabilitation—improvement of cognitive and motor functions



Brain injuries



Aphasia



Memory disorders



Parkinson's Disease



Chronic pain



Depression



Migraine



Addictions



Schizophrenia

Technology Platform

TES

IN THE MARKET >

A medical grade system for transcranial (tES) brain stimulation, improving the effectiveness of neurological rehabilitation, offering a wide range of applications in scientific projects.

CLOUD

VR

IN PROGRESS >

VRStim immersive therapy, done at home and supervised online by therapist.

AI

FUTURE >

Proprietary VR/tES home neurotherapy with AI analytics and generative scenarios.



tES - safety

BRAIN STIMULATOR

SAFETY

Security alarm

A programmable, staged impedance alarm is both an audio and visual alert about changes in impedance during stimulation

Safe-Stop function

Prevents unpleasant shocks caused by the latent current when the stimulation stops abruptly, ensuring a safer and more comfortable experience.

Safety-related parameters

Programmable stimulation time, impedance warning level, current density, stimulation pause, and resume functionality with fade-in and fade-out.

Experienced Team

Our dedicated team specializes in deep-tech neuroscience and in development and certification of medical devices, ensuring regulatory excellence and real-world impact. With a deep understanding of patient needs, we create user-centered, validated solutions. Led by a seasoned CEO with commercialization expertise, we bridge science and market success. Supported by top medical and business experts, we drive transformative healthcare innovation.

Our Mentors

Our board of experts includes world-class medical professionals from the USA and Europe, alongside leading neuroscience engineers, university professors, and successful med-tech founders.

We are proud to collaborate with renowned international medical centers, including Mount Sinai Hospital in New York, Shirley Ryan AbilityLab, and Harvard Medical School. Their expertise and insights strengthen our mission to develop cutting-edge, patient-centered solutions that drive real impact in healthcare.

CorStim tES - specification

Brain Stimulator

Dimensions	115 x 150 x 35 mm
Interface	Touch screen display OR PC-USB
Power supply	Operating time up to 8 h
Sham mode	tDCS, tACS, Pulse, rRNS, AM-tACS, Analogue Input Mode
Sham mode	Single-blind and Double-blind
Accuracy of current settings	<5% for current < 1mA, <1% for current > 1mA
Max. voltage	35 V
Digital inputs and outputs	2 digital input triggers, 3 digital output triggers for synchronization with external devices (a.g.j Transcranial Margnctic Stimulation)
User programs	• Creating predefined stimulation programs (PRESET)
Safety control	• Directly controlling the protocol through the application interface (API) • Impedance measurement (mode: continous monitiring without stimulation, continous monitoring with stimulation, single impedance check before stimulation)
Operation of impedance control	• Overvoltage monitoring • Option for defining a threshold for interrupting stimulation: 10 kΩ - 50 kΩ • Option for defining the user's alert threshold: 5 kΩ - 15 kΩ/off
Electrode sockets	Touchproof 1.5 mm

tDCS Parameters

Stimulation current	max ± 2 mA
Stimulation duration	1-7200 s
Fade-in/out	0-60 s

Pulse Parameters

Stimulation current	Max ± 5 mA
Stimulation duration	1-7200 s
Fade-in/out	0-60 s
Frequency	0.01-600 Hz
Signal duty cycle	1-99% for freq. <50 Hz), 10-90% for freq. ≥ 50 Hz)

Analogue InputMode Parameters

Transfer ratio	2 mA per V
Current range	± 5 mA
Analogue bandwidth	1 kHz (-3 dB)

tRNS Parameters

Sample value range	$\pm(200-5000)$ μ A
Stimulation duration	1-7200 s
Fade-in/out	0-60 s
Noise distribution	Rectangular, gaussian
Predefined filters	LP: 100 Hz, 250 Hz, 640 Hz, OFF HP: 50 Hz, 100 Hz, 250 Hz, OFF

tACS Parameters

Amplitude of stimulation current (peak-to-peak value)	$\pm(200-5000)$ μ A
Offset	Max $\pm$ mA
Stimulation duration	1-7200 s
Fade-in/out	0-60 s
Frequency (carrier)	0.01-600 Hz
Modulation	Amplitude (AM)
Frequency (signal modulation)	0-300 Hz
Modulation index	0-100%