PROPHETIC

Humans spend 8% of their lives in dreams.

What if there was a product that gave you access to that time?

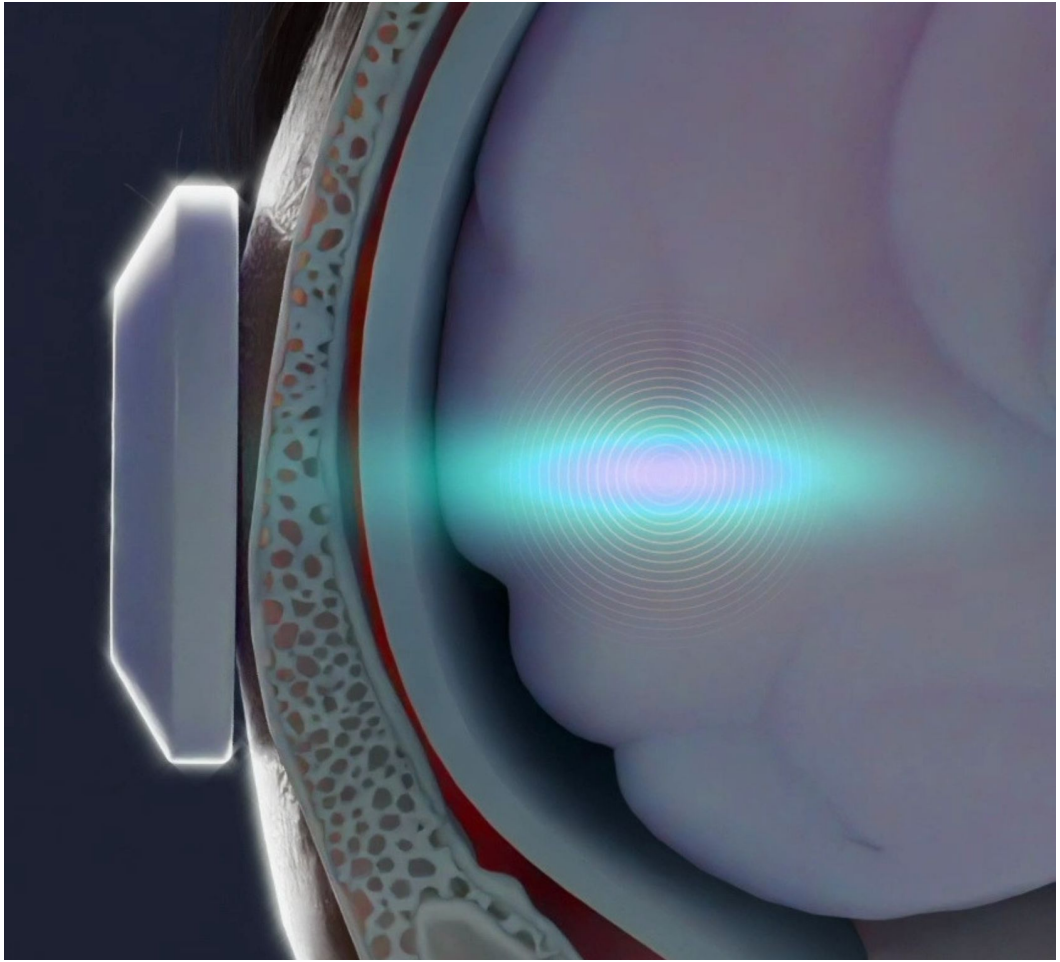
Prophetic is commercializing a transcranial focused ultrasound neuromodulation (tFUS) wearable to modulate dreams with an ultimate goal of lucid dreaming.

Adding an entirely new dimension to human life.

We give you access to the most important 8% of your life by...

1. Making dreams feel as vivid and memorable as reality.

2. Giving you control of your dreams.

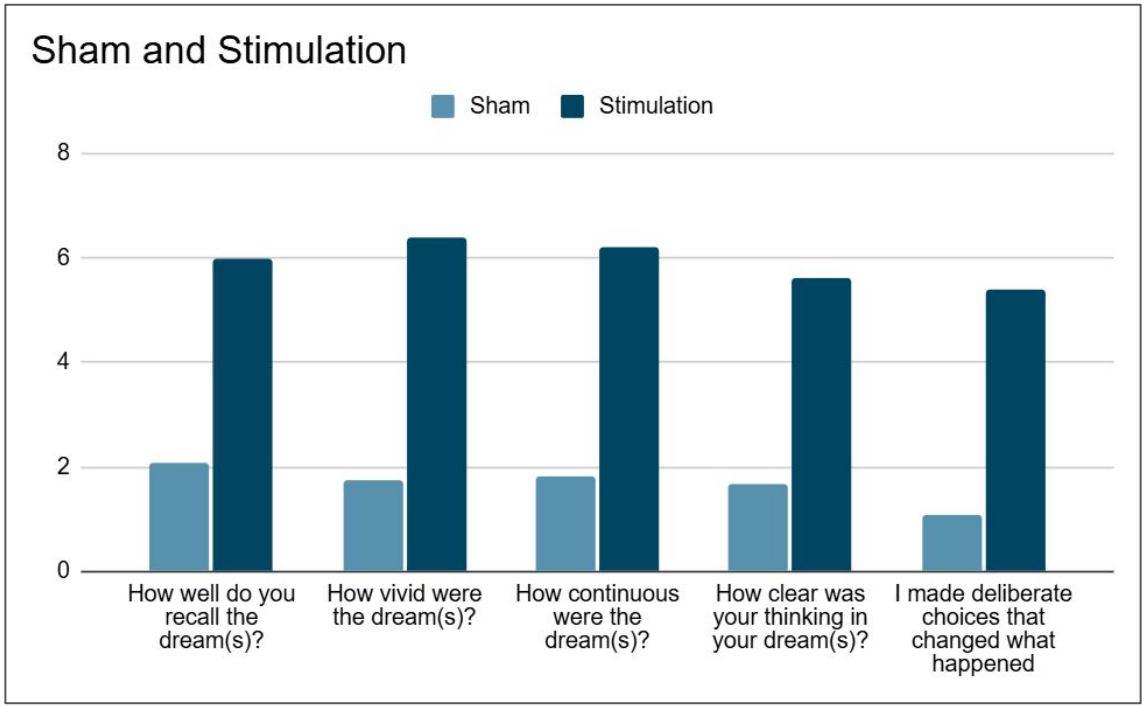


Prophetic Dual

1. Starting at $449.

2. Comfortable and compact form factor.

3. Easy for anyone to use.



Y-axis scales

How well do you recall the dreams?
1 - Very little
10 - Completely

How vivid were the dream(s)?
1 - Very little
10 - Hyper

How continuous were the dreams)?
1 - Very little
10 - Hyper

How clear was your thinking in your dream(s)?
(Clear thinking means your thoughts are not irrational or deluded.
For example, you understand that a dream figure is not really the same person as in the waking world.)
1 - Not at all clear
10 - Extremely clear

I made deliberate choices that changed what happened
1 - Strongly disagree
10 - Strongly agree

- Three decades of cross-modality research overwhelmingly links frontal and parietal activation with lucid dreaming.

- Our ability to activate frontal and parietal regions induces the lucidity.

- EXTRA: Using the same hardware, there is a possibility to expand into inducing deep sleep and regulating other sleep stages.

We Will Be The Fastest to Market

Ultrasound neuromodulation will be a $100 billion market.

We will be the company to bring it to market because of our regulatory advantage as a wellness device.

Traction

- 2,200 preorders
- Over 150 test subjects safely neuromodulated
- A beta user list of ~ 8,000 volunteers

Team & Advisors

Core Team

- Eric Wollberg - CEO & Co-Founder
- Wesley Berry - CTO & Co-Founder
- Chris Bawiec PhD - Head of Ultrasound - Research
    a. Former ultrasound program lead at Openwater, which raised more than $100 million.
- Benjamin Baird PhD - Cognitive Neuroscientist - Research
    a. Assistant Research Professor at University of Texas Austin
    b. First name author of *The Cognitive Neuroscience of Lucid Dreaming*, which is the most comprehensive literature review of lucid dreaming neuroscience.

Advisors

- Sterling Crispin - Prev. Apple Neurotech
- Erik Hoel - Theoretical Neuroscientist @ Tufts University

We Are Raising to...

1. Amplify Dual launch

2. Gen 2 development

3. Data flywheel towards full lucidity

PROPHETIC

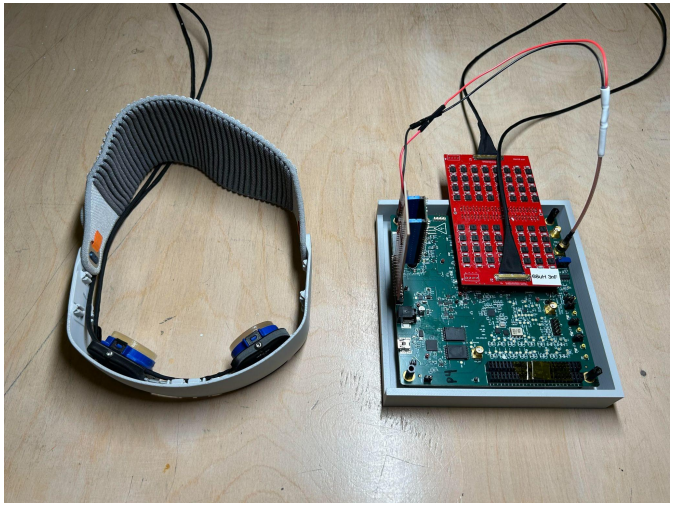
Data Room (Upon Request)

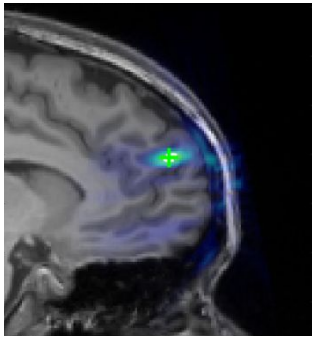
- EEG (raw data, preprocessed, and analyzed)
- ERSP Analysis
- PCB Manufacturing Quote
- Pre-Orders
- Patents
- Regulatory Assessment
- Simulations
- System Price Comparisons
- Beta Users List
- Financial Model
- TAM Analysis
- Dream Reports

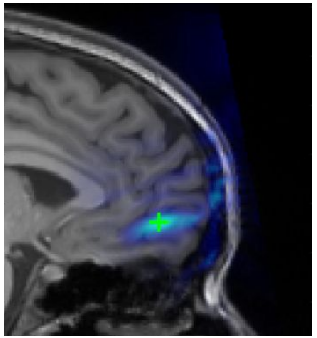
APPENDIX

Prophetic V1

- Dual phase array transcranial focused ultrasound (tFUS) wearable
- 64 channels
- Each array can be independently electronically steered
- Ultrafast target switching
- 20-40mm depth steering
- ±15mm lateral steering
- 35mm diameter face
- 1.15 MPa maximum pressure / ±15v
- 350 kHz center frequency

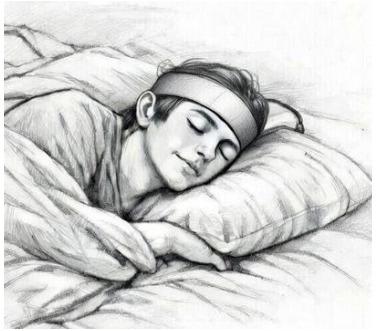


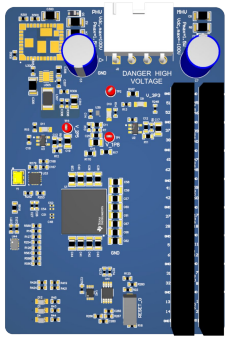




Prophetic V2

- Ultra light, thin, flexible lace-like headband with comparable weight and feel to an eye mask
- Off load electronics to small device that clips onto pillowcase
- Low force break away magnetic cable + connector
- Heart rate sensor for sleep staging





Electronics Size Comparison

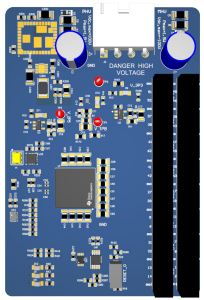
Brainsonix BX Pulsar 1002

Sonic Concepts NeuroFUS

Verasonics 32LE

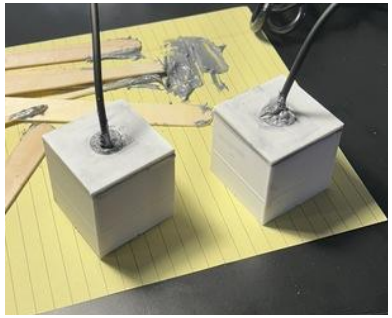
tFUS oligopoly

iPhone 16 Pro



Prophetic V2

Array Size Comparison



Prophetic V0

Prophetic V0.1

Prophetic V1

Prophetic V2

Sonic Concepts

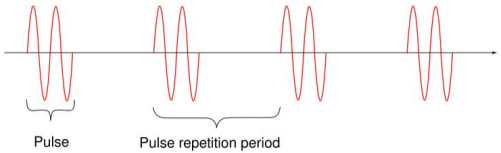
Brainsonix

Sonomind

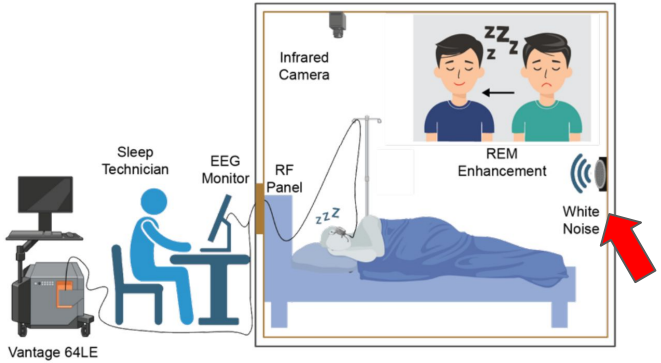
Sanmai

Perfectly Silent

- While resonant ultrasonic frequencies are inaudible, nearly all tFUS research has some audible clicking or beep due to audible pulse repetition frequencies (PRF).



- This has remained unsolved for decades. The most common solution is to drown it out with white noise or to apply a ramping envelope; however, ramping is NOT effective for short pulse durations (<=0.3 ms), which are commonly used in standard pulsed tFUS protocols.
- Our novel solution uses adds a second ultrasonic frequency dimension by utilizing ultrashort pulse lengths and ultrasonic pulse repetition frequencies that exceed the threshold of human hearing.
- This allows us to deliver the same energy but perfectly silent. Solving one of the major challenges holding back sleep tFUS.



Status Quo

Cost Comparison

System	Channels	Notes	Price
Sonic Concepts NeuroFUS	4	Full system	~ $200,000
Brain Sonix BX Pulsar 1002	1	Full system	~ $75,000
Verasonics Vantage LE	64	Driving electronics only	~ $68,000
OpenWater OpenLiFu	64	Full system	~ $20,000
Butterfly Network iQ+	N/a	Intensity capability is orders of magnitude below common tFUS protocols	~ $3,000
Prophetic V1	64	Full system	~ $5,000
Prophetic V2	**64**	**Full system**	**~ $350**

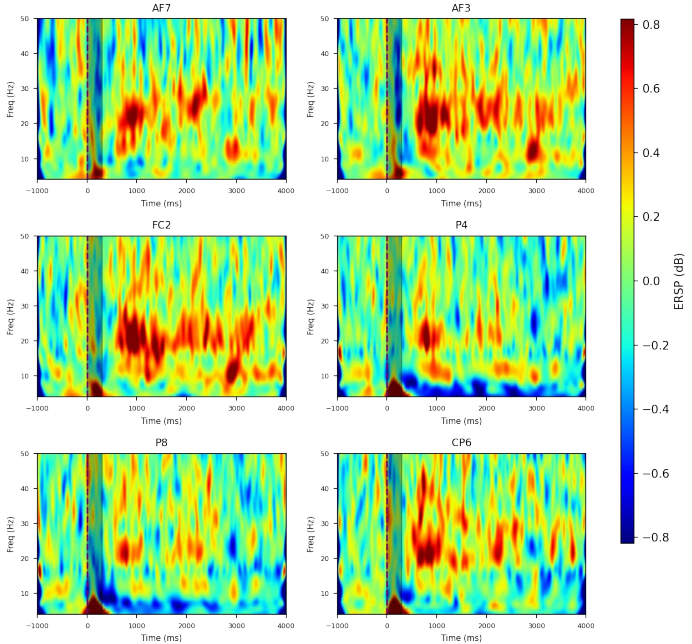
Immediate Activation

- Approximately 1 second after stimulation, we see an activation response in frontal, motor, and parietal brain regions.

Baseline: -1000 to 0 ms | Comparison: 500 to 1500 ms

Channel	Region	Band	p-value	Change
AF7	Frontal	Beta	0.04	+8%
AF3	Frontal	Gamma	0.01	+6%
FC2	Frontal / Central	Beta	0.05	+12%
P4	Parietal	Theta	0.04	-10%
P8	Parietal	Theta	0.04	-9%
CP6	Central / Parietal	Gamma	0.03	+5%

Statistically significant findings | p-value < 0.05

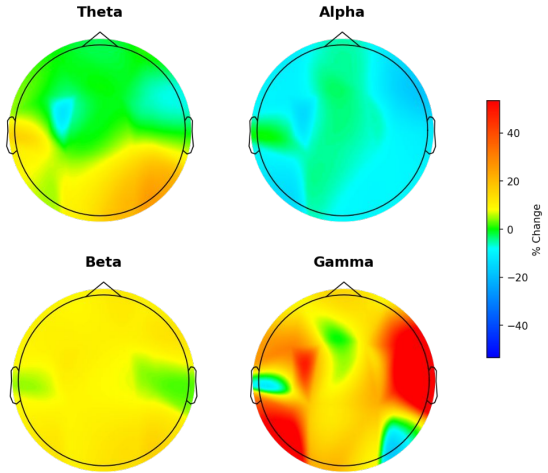


Sustained Activation

- Our V1 system is able to sustain activation of frontal, motor and parietal brain regions 5 minutes after stimulation.

Baseline: 0-5 minutes | Sonications: 5-10 minutes | Post: 10-15 minutes

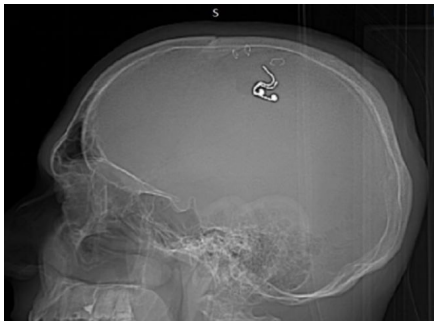
Band	Frequency Range	Location	p-value	Percentage change
Alpha	8-13 Hz	Central / Motor	0.03	- 10.54%
Beta	13-30 Hz	Central / Motor	0.02	+ 8.05%
Beta	13-30 Hz	Frontal	0.01	+ 9.83%
Beta	13-30 Hz	Frontal-Central	0.02	+ 10.26%
Gamma	30+ Hz	Central / Motor	0.03	+ 36.16%
Gamma	30+ Hz	Parietal	0.04	+ 22.44%

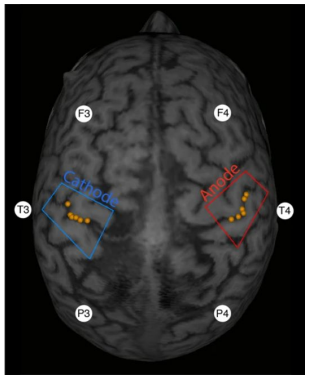


Group Level RELATIVE Power Change: Post-Stim vs Baseline (%)

Dream Engineering

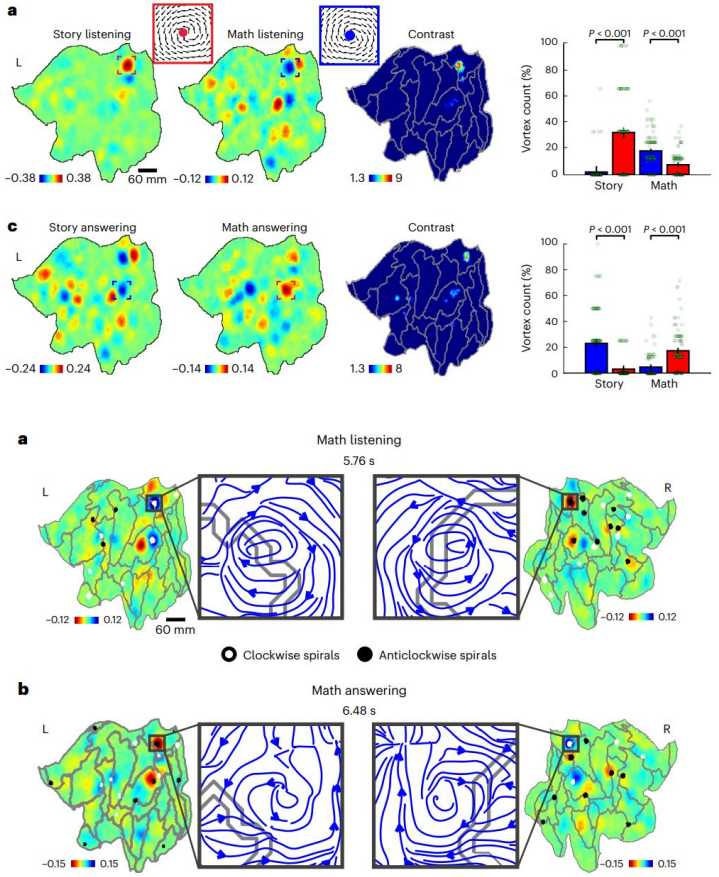
- It is possible to influence movements in dreams by modulating the motor and sensorimotor cortices.[1,2,13]
- Because we are able to increase motor cortex activity, we should be able to engineer movements in dreams.





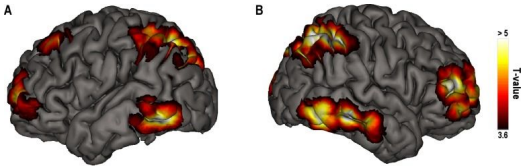
Dream Engineering

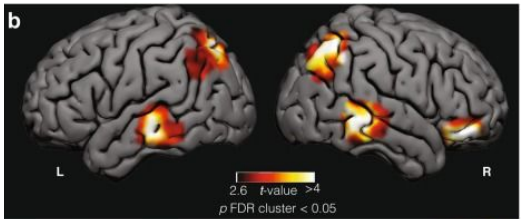
- Neural activity forms spiral patterns across the cortex. These spirals shift rotations depending on what you're doing. [14]
- For example, spiral rotations may be counter-clockwise when listening to a story and clockwise with telling a story.
- This occurs the most in control regions like the frontoparietal network (including dorsolateral prefrontal cortex).
- Our V1 system can electronically steer in similar spiral patterns.
- By spiraling the focus, we could plausibly modify how dream cognition occurs and how plots unfold.



Neuroscience of Lucid Dreaming

- In the 1990s, two PET scan sleep studies found decreased prefrontal activity during REM (when most dreams occur)[4,5]. The first study also found decreased parietal activity during REM. New lucid dreaming theories soon emerged [6]:
    - *"As it is the dorsolateral prefrontal cortex (DLPfC) which is not activated in REM, I hypothesized that its reactivation was necessary for dreamers to become lucid when they were dreaming in REM."*
- In the 2000s, one EEG study found linked dreaming with parietal beta power increase. Two EEG studies linked lucid dreaming with frontal gamma increase. [9,10,11]
- In the 2010s, two fMRI studies linked lucid dreaming with increased network activation among frontopolar cortex, prefrontal cortex, parietal lobe, and temporal lobe. [7,8]
- Lastly, in 2025, an EEG study further linked parietal activation with lucid dreaming. Frontal activation was observed as well but set aside due to eye muscle conflation. [15]
- TLDR: Three decades of cross-modality research overwhelmingly links <u>frontal</u> and <u>parietal</u> activation with lucid dreaming.
- Our ability to activate <u>frontal</u> and <u>parietal</u> regions allows us to induce lucidity





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