

extech

CONCEPT ID 57669780 | GOSWAMI, KALER, PAI, SONG



655,000 PEOPLE SURVIVE A STROKE EACH YEAR IN AMERICA.

- over $\frac{2}{3}$ of stroke patients require extensive rehab to regain function
- rehab costs \$27,473 per year on average, while the median US income is \$50,000



TRADITIONAL OUT-PATIENT REHAB IS

generic. frustrating. ineffective.

and costs an average of \$3,314 per visit for a long-term motor function increase of only 14%.





US MARKET SIZE

- DISABLED STROKE SURVIVORS: **5 MILLION**
- HAND DISABILITIES: **3 MILLION**
- STROKES PER YEAR: **655 THOUSAND**

5 M

0.7 M

3 M



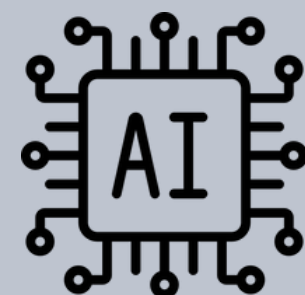
EXOTECH

solves these high-scale issues
using a 4-facet solution



EEG HEADCAP

which records patients' cerebellum brain signals



LSTM NEURAL NETWORKS

real-time predict the patient's intended motion
from their brain signals



HAND EXOSKELETON

assists in executing the intended motion



MOBILE APP

Shows recovery data from exoskeleton sensors and
facilitates doctor-patient communication.



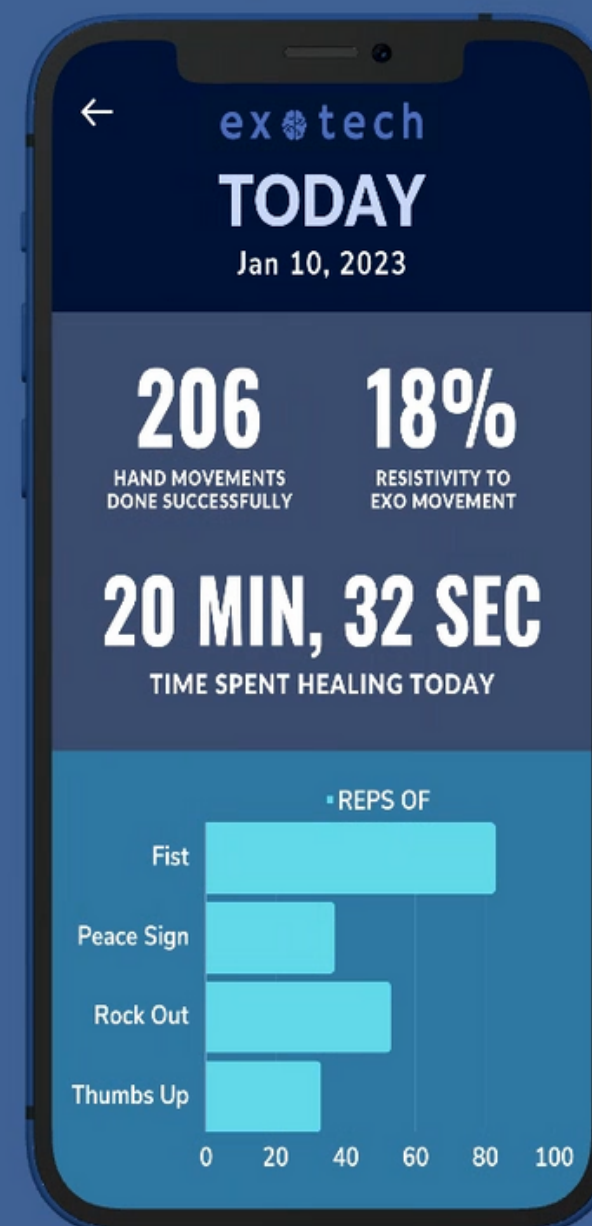
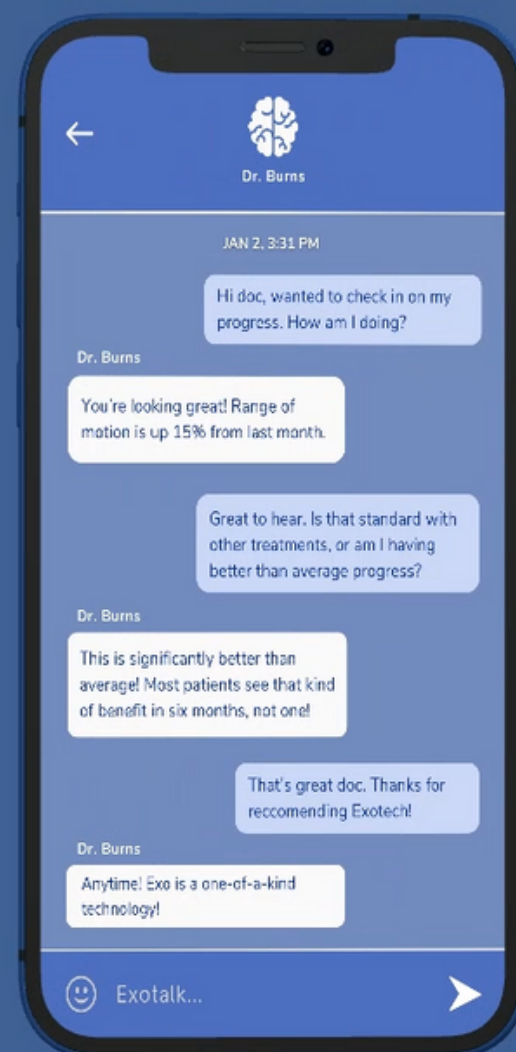
**prototype of hand
exoskeleton
modeled by
exotech engineer**





CONNECTED • MOTIVATING • PROGRESSIVE

exotech app





UNIQUE VALUE

	BCI	MOTIONS	SAFETY FEATURES	COST
NEOMANO	✗	30	✓	\$1999
SYREBO	✗	5	✗	\$199
SAEBOFLEX	✗	1	✗	\$600
EXOTECH	✓	20	✓	\$299

USER TRIALS

47.8% INCREASE

in range of motion

1.75x better than leading competition

44.3% INCREASE

in grip strength

2.3x better than leading competition





PRICE MODEL

PER UNIT

COST OF GOODS

\$121.75

\$18 EEG Headcap

\$59 Biosensing Board

\$31.75 Exoskeleton

\$13 EEG Electrodes

MANUFACTURING & DISTRIBUTION

\$12.93

\$3.33 Labor

\$5.00 Overhead

\$1.40 Packaging

\$3.20 Distribution

RETAIL COST

\$299

55% margins will be
re-routed back into the
business for further
development



LONG-TERM ROADMAP

Q2
2023

Exotech validated in a clinical trial with 20 patients and by stroke neurologists.

Q4
2023

Following outreach, two rehab sites will trial our product on a large scale.

Q1
2024

Started a crowdfunding campaign to raise \$100,000.

Q3
2024

6-month trials with committed rehab sites to gain market traction

Q1
2025

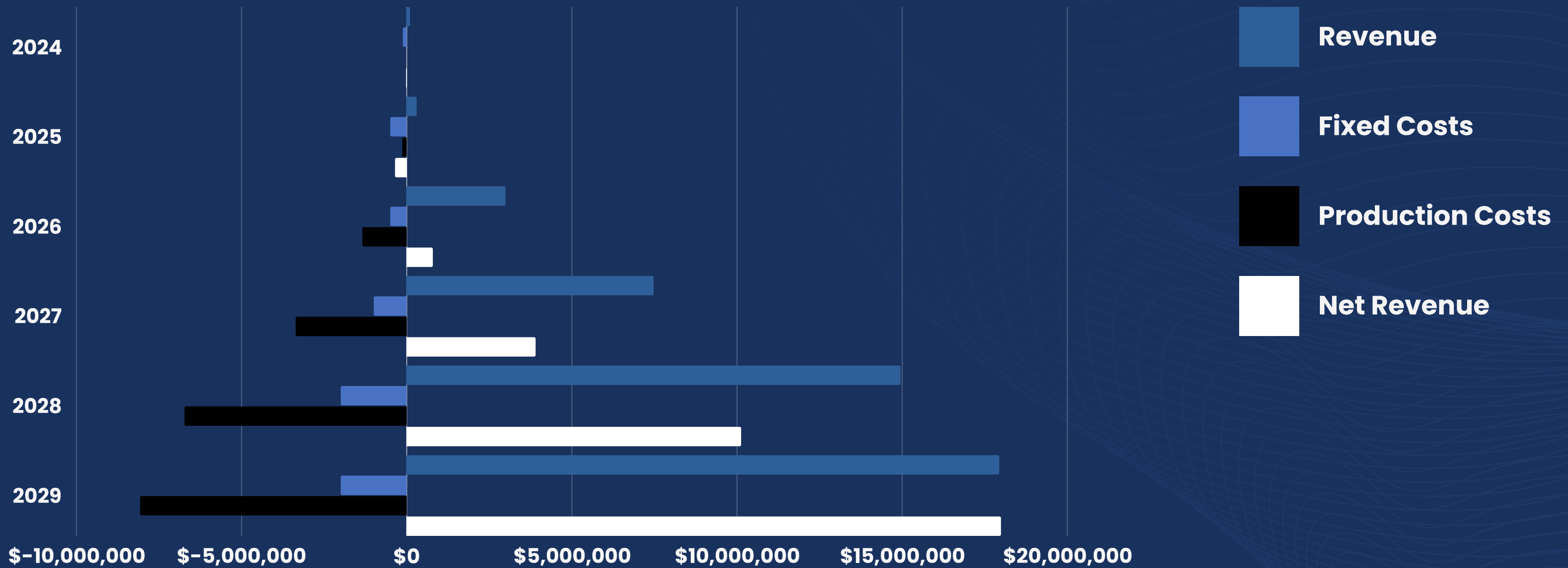
Entering market B2B with contracts in rehab centers and hospitals

Q4
2029

Exit by being bought by a larger healthcare entity



FINANCIAL PROJECTIONS





“I am very impressed by the innovation Exotech brings to this field. Their brain-computer interface exoskeleton will revolutionize rehabilitation. With advanced motion tracking and intuitive software, Exotech delivers an accessible solution with verified efficacy. **I fully endorse this technology.”**

Dr. Helmi Lutsep

Chair of Neurology at Oregon Health Science University



MEET THE TEAM



ARUSH GOSWAMI

Head of Research



JAZVEER KALER

Head of Software
Development



AKASH PAI

Head of Product
Development



ELEANOR SONG

Head of Marketing
and Outreach

The background of the image is a solid dark blue color. On the right side, there is a series of thin, light blue wavy lines that flow from the top right towards the bottom left, creating a sense of movement and depth.

JOIN US

to revolutionize rehabilitation