



CREATES THE FUTURE OF STROKE REHABILITATION BY TRANSFORMING INTENTIONS INTO MOVEMENTS

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CAUTION: VIBRAINT RehUp is an
investigational device

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VIBRAINT BROUGHT HOME MANY INTERNATIONAL AWARDS

BR41N.IO

THE BRAIN-COMPUTER INTERFACE
DESIGNERS HACKATHON

2020

WINNER



2021

NOMINEE



2021

JUDGES PRIZE & FINAL RUNNER-UP



2022 - 2024

AWARDEE



IEEE
International Conference
on Smart Mobility 2024

2024

PITCH-OFF WINNER



2024

PITCH-OFF FINALIST

ACKNOWLEDGEMENT

WE THANK OUR PARTNERS FOR SUPPORT

SCIENCE



ACCELERATION



FUNDING



WE HAVE DEVELOPED & PILOTED
A REVOLUTIONARY & AFFORDABLE PRODUCT,
AND **NOW...**

WE CAN HELP

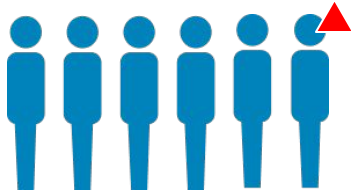
THESE PEOPLE



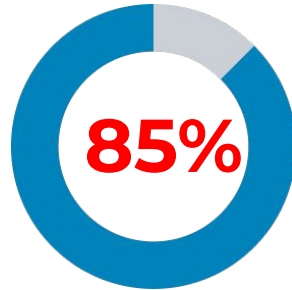
RETURN TO SELF-SUFFICIENT LIVES

VALUE PROPOSITION

STROKE IS THE LEADING CAUSE OF PARALYZATION - JUST LOOK AT THESE STRIKING NUMBERS



1 OF EVERY 6
HAS A **STROKE**
[European Society of Cardiology](#)



STROKE SURVIVORS
LOSE CONTROL
OVER THEIR MOTIONS
[ICARE Study](#)



120 MILLION
WORLDWIDE LIVE
IMMOBILIZED
[\(6 million in North America\)](#)

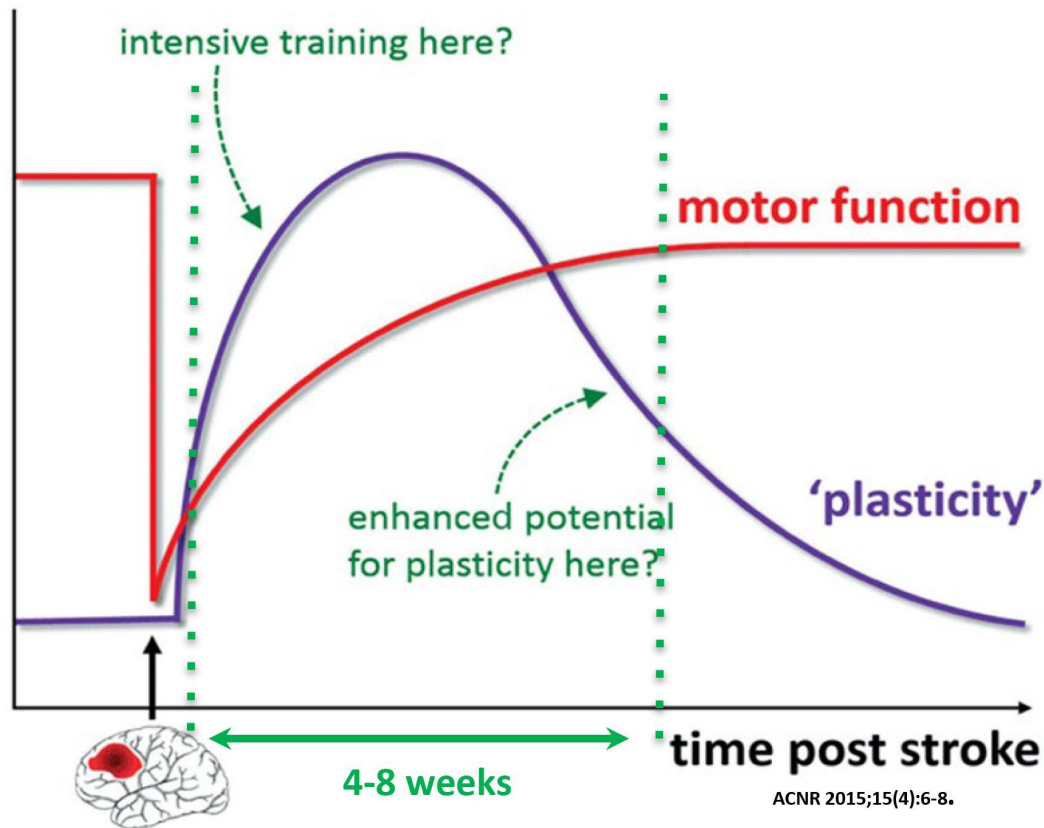
PAINFULLY, THERE ARE LITERALLY NO TOOLS ON THE MARKET TO TREAT SEVERE PARALYSIS



“ Severely impaired patients cannot move their arm sufficiently to engage in active rehabilitation. ”

Prof. Sean Dukelow,
Chair of [CanStroke Recovery Trials](#)

NEUROPLASTICITY OPENS WINDOW OF OPPORTUNITY



OPPORTUNITY

IS THERE A **PERFECT SOLUTION** ?

**AFFORDABLE
& AVAILABLE**



**ALLOWING ACTIVE
EXERCISING IN
SEVERE PARALYSIS**



**RESTORING
MOTION IN THE
WHOLE LIMB**

SOLUTION

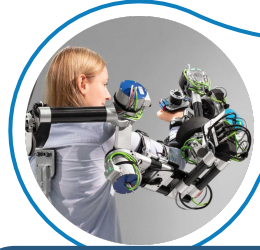
OUR ANSWER IS “YES”: COMPREHENSIVE REHABILITATION CONTROLLED BY PATIENT’S BRAIN



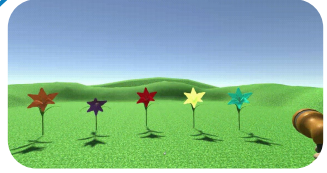
✓✓ **VR**



✓✓ **BCI**



✓✓ **ROBOTICS**



✓✓ **STIMULATION**

PATIENT **IMAGINES** MOVING THE ARM

BRAIN-COMPUTER INTERFACE
DETECTS INTENTION TO MOVE

ROBOT MOVES THE ARM

PATIENT SEES IN VR AS **ARM MOVES**

CENTRAL NEURAL SYSTEM **REWIRES**
TO **REGAIN MOTOR CONTROL**

RESULT: UP TO 40% IMPROVEMENT

✓✓ **PROVEN EFFECTIVE**

PRODUCT

2024 - 2026 STUDIES TO FURTHER VALIDATE & IMPROVE OUR TECHNOLOGY

STROKE

CanStroke
Recovery Trials



SPINAL CORD INJURY



UPSTIM

VIBRAINT REHUP IS THE MOST COMPLETE SOLUTION

VIBRAINT^{REHUP}

*Neuro*solutions

recoveriX

EGZOTech



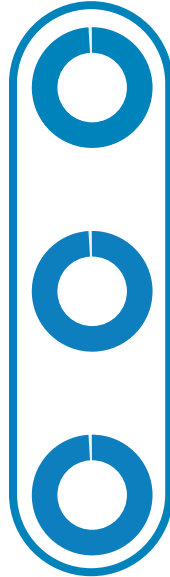
WORKS IN TOTAL PARALYSIS



RESTORES WHOLE LIMB

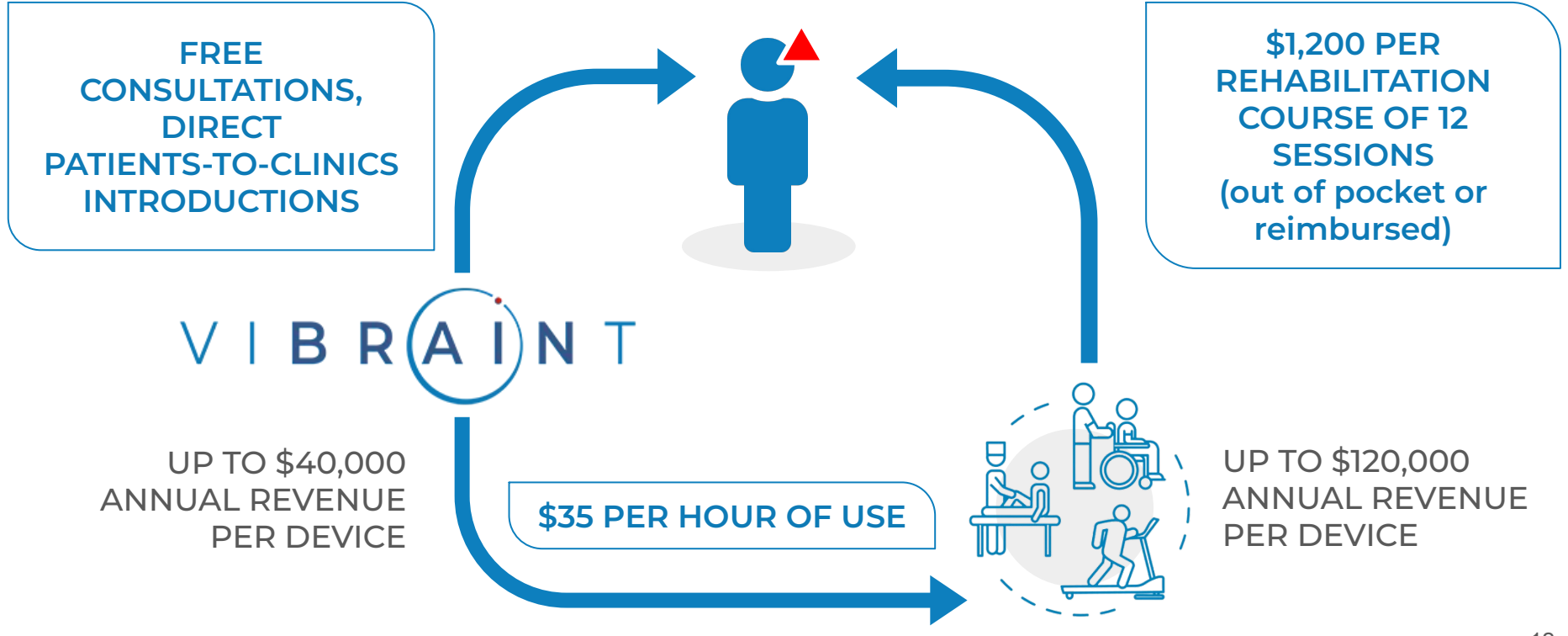


AFFORDABLE ACCESSIBLE AVAILABLE



COMPETITION

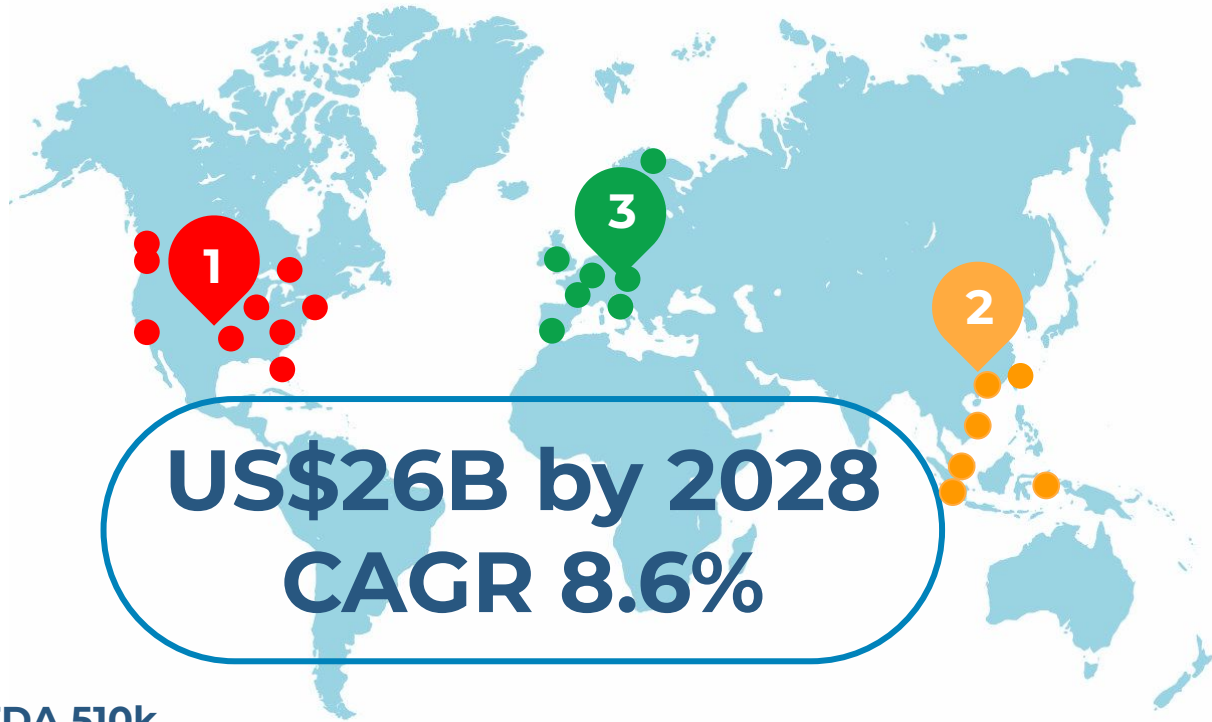
PATIENT-CENTRIC BUSINESS MODEL: **AFFORDABLE** OPPORTUNITY FOR DRAMATIC IMPROVEMENT



ALL MONEY VALUES ARE IN USD\$

BUSINESS MODEL

WE AIM 0.5% OF SKYROCKETING MARKET OF REHABILITATION EXERCISE EQUIPMENT

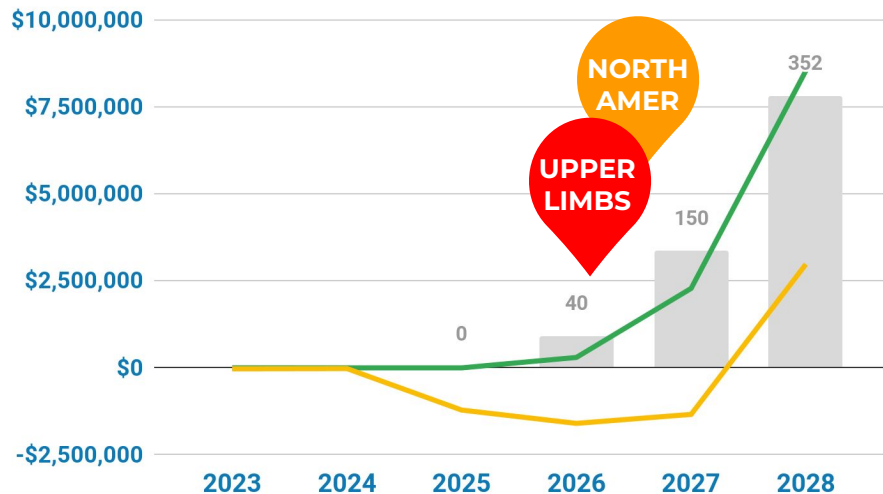


- 1 NORTH AMERICA**
(starting from NY, CA, TX, FL, Chicago, Toronto etc.)
>50,000 PT CLINICS
[IBISWorld](#)
- 2 SOUTH EAST ASIA**
(starting from HK, Taiwan, Singapore)
>50M PARALYZED
based on [prevalence](#) and [population](#)
- 3 EUROPE**
>10M STROKE SURVIVORS
[NIH](#)

FDA 510k
MEDICARE CODE
THREE PATENTS PENDING

GO TO MARKET

AFTER INITIAL GROWTH THROUGH \$1M TO \$10M



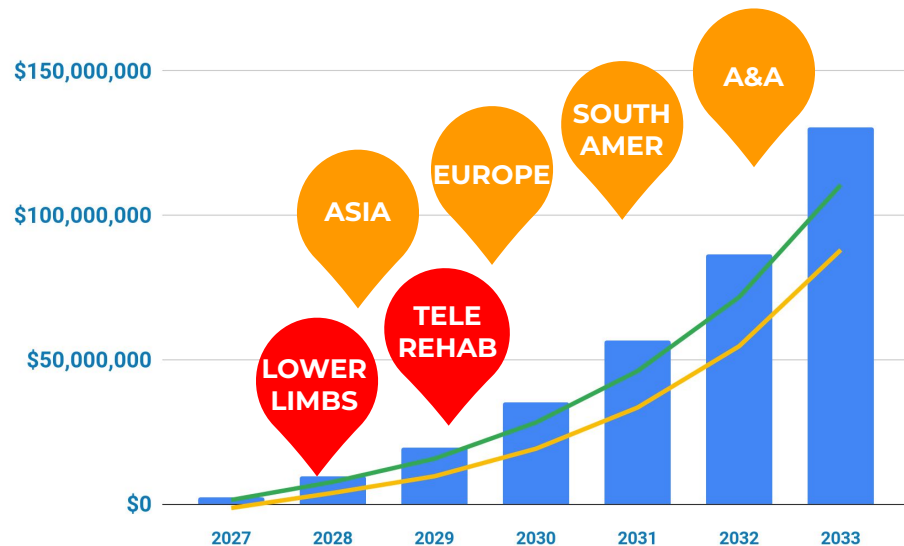
■ Rented Units — Revenue — EBITDA

Pre-Seed

Seed

> 15,000 PATIENTS TREATED

SCALING TOWARDS >\$150M BEGINS



■ Revenue — Gross Profit — EBITDA

Series A

0.5% MARKET SHARE

VIBRAINT TEAM HAS ACHIEVED GROUNDBREAKING RESULTS THANKS TO STRONG MIX OF SKILLS



CEO
ILIA BORISHCHEV
**7x HI-TECH
ENTREPRENEUR**



CLINICAL LEAD
IGOR LAVROV
**MD PhD
(MAYO CLINIC)**



BIZ DEV LEAD
LIANNA GENOVESE
**BIOMED ENTREPRENEUR
SINCE 2017**



CFO
ALEJANDRO VIVANCO
**B.COM, VENTURE FUND
PARTNER**



QA/RA LEAD
MICHAELA SHAW
**CERTIFIED BIOMED
AUDITOR**



TECH LEAD
MAX AVER
**7 YEARS IN SOFTWARE AND
HARDWARE DEVT**



SOFTWARE/ML ENGINEER
PhD FEDOR SKOROBOHATY
**10 YEARS IN SCIENCE AND
SOFTWARE DEVELOPMENT**



ML LEAD
PhD BOHDAN KOZYRSKI
**12 YEARS IN NEUROSCIENCE
AND DATA SCIENCE**

WE CAN ALWAYS RELY ON EXPERTISE OF OUR SCIENCE & BUSINESS ADVISORS

MD PROF.
SEAN DUKELOW
HEAD OF
NEURO ROBOT LAB



PROF.
MORRIS "MICKEY" MILNER
LEAD ADVISOR



UNIVERSITY OF
TORONTO



PROF.
LAUREN SERGIO
HEAD OF
MOTOR CONTROL LAB



MD PROF.
S.R. SOEKADAR
HEAD OF
NEUROTECHNOLOGY
RESEARCH DIVISION



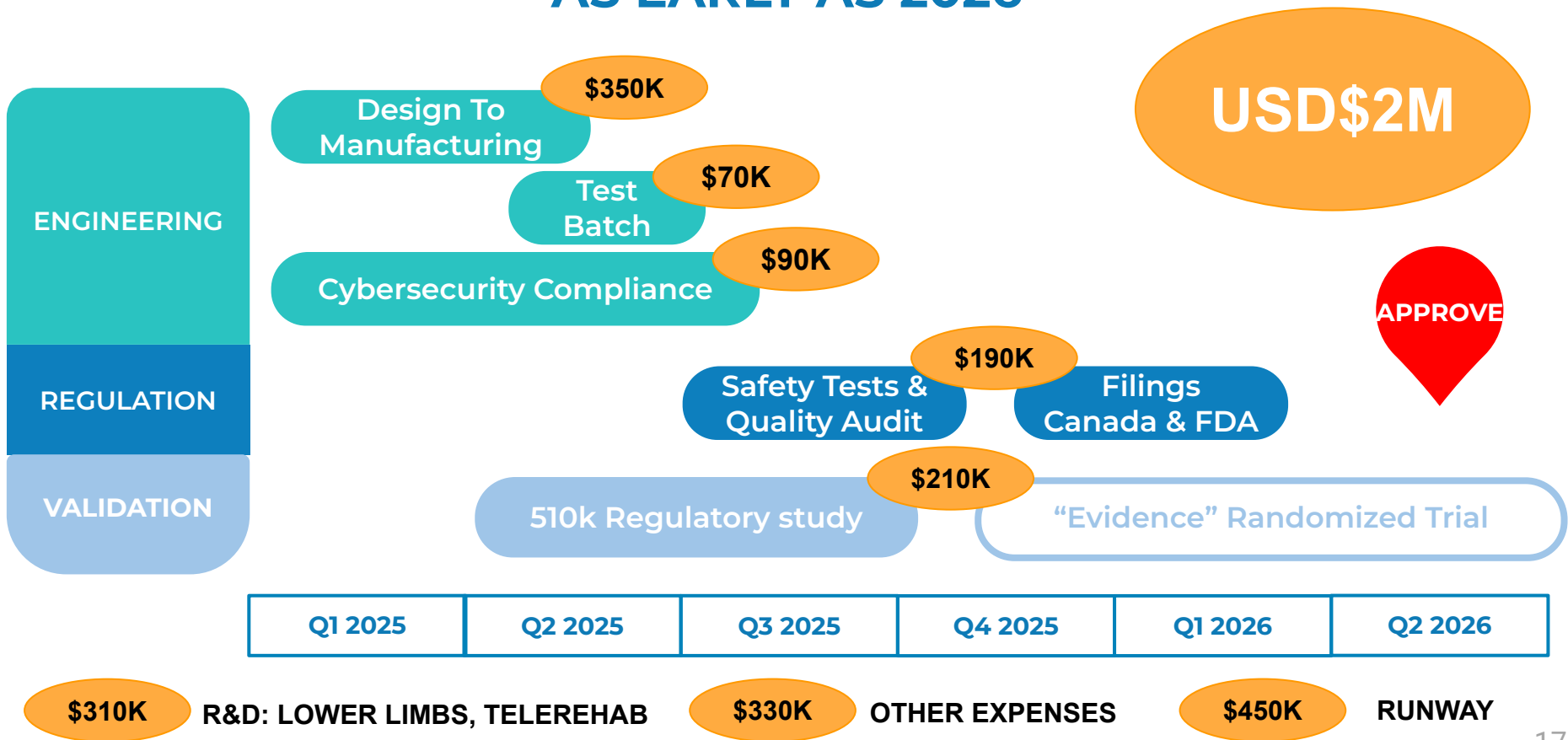
MBA
NEIL D'CRUX
SENIOR MENTOR



UNIVERSITY OF
TORONTO



WE INTEND TO MARKET FIRST PRODUCT AS EARLY AS 2026



SUMMARY

**1. VIBRAINT IS A POTENTIAL
GAME-CHANGER IN MOTOR
REHABILITATION**

**2. WE WILL SELL OUR PRODUCTS ON
FIVE CONTINENTS TO REACH
>\$150M REVENUE BY 2033**

**3. IN BOOTSTRAP MODE WE MADE IT
TO THE PHASE OF REGULATORY
APPROVALS**

**4. WE ARE RAISING FOR REGULATORY
SUBMISSIONS AND FURTHER
PRODUCTS R&D**

THANK YOU!





















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APPENDIX

IP PROTECTION

PATENTS:	PENDING	PREPARATION
SYSTEM & METHOD NEUROREHAB	   	
SYSTEM & METHOD NEUROSTIM	 	
ROBOT UPPER LIMBS	 	
ROBOT LOWER LIMBS		 
BCI: METHOD OF CLASSIFICATION		 
BCI: METHOD OF ACQUISITION		 
TRADEMARK: VIBRAINT		  
SOFTWARE: VIBRAINT	 DEPOSITED	

REIMBURSEMENT: NORTH AMERICA

USA MEDICARE



Device code E0738
issued March 2024
(non-covered yet)

**Treatment can be covered
under CPT therapy codes:**

97039 - PT Treatment
97110 - Therapeutic Exercises
97112 - Neuromuscular
reeducation
[\(coverage of USD\\$120-\\$160 per
hour\)](#)

CANADA



Physical therapy can be covered:
**Manitoba, PEI, New Brunswick,
Nunavut, Yukon:**
if utilized in hospital-based
physical therapy.

Ontario: for >65 years old and
under Disability Support Program

British Columbia: for patients
with supplementary benefits

Alberta: for patients with specific
physical concerns