

ONMARD MEDICAL

Company Deck September 2024



















Forward Looking Statements

This Presentation may include statements, including the Company's financial and operational medium-term objectives, that may be deemed to be "forward-looking statements". These forward-looking statements may be identified by the use of forward-looking terminology, including the terms "believes", "aims", "forecasts", "continues", "estimates", "plans", "projects", "anticipates", "expects", "intends", "may", or "or, in each case, their negative or other variations or comparable terminology, or by discussions of strategy, plans, objectives, goals, future events or intentions. Forward-looking statements may and often do differ materially from actual results. Any forward-looking statements reflect the Company's current view concerning future events and are subject to risks relating to future events and other risks, uncertainties, and assumptions relating to the Company's business, results of operations, financial position, liquidity, prospects, growth, or strategies. Forward-looking statements speak only as of the date they are made.



ONWARD® Medical at a Glance

Key Facts

- o Founded in 2015
- o ~100 FTEs
- HQ in the Netherlands
- Science and Engineering Center in Switzerland
- Growing US presence
- IPO 2021, Euronext Brussels and Amsterdam
- Research coverage from Stifel, Bryan, Garnier & Co, KBC Securities, Degroof Petercam and Kepler Cheuvreux

- **Technology**: 3 purpose-built neuromodulation platforms
 - o **ARC**^{EX®} delivers ARC Therapy[™] externally through the skin
 - o ARC^{IM®} delivers ARC Therapy via a fully implanted system
 - o **ARC**^{BCI™} pairs ARC^{IM} with an implanted brain-computer interface to restore thought-driven movement via a wireless DigitalBridge[™]
- Innovation: 10 FDA Breakthrough Device Designations; 270+ issued patents¹
 - **Clinical Success:**
 - Safety and effectiveness of ARC^{EX} Therapy for upper limb mobility demonstrated in Up-LIFT clinical trial; results published in *Nature Medicine*, May 2024
 - o **Positive interim results** for ARC^{IM} Therapy to improve blood pressure regulation
 - Market Opportunity: \$20B+ / €19B+ total addressable market with limited competition
- Commercialization: First revenues expected 2H 2024 with ARC^{EX} launch after FDA clearance



There are no cures nor effective therapies for spinal cord injury (SCI)

Unmet Need

Devastating

Not only paralysis & loss of sensation; frequently also infection, incontinence, blood pressure instability, loss of sexual function, and other challenges

Assistance required to support activities of daily life

Quality of life can be poor

Prevalent

US & Europe^{1,2}
Prevalence ~650,000
Incidence ~50,000

Global²

Prevalence **~7,000,000** Incidence **~768,000**

Costly

Avg Lifetime Cost³ (paraplegic)

Avg Lifetime Cost³ (tetraplegic) \$5.1M / €4.6M

Note: 1 EUR = 1.1 USD

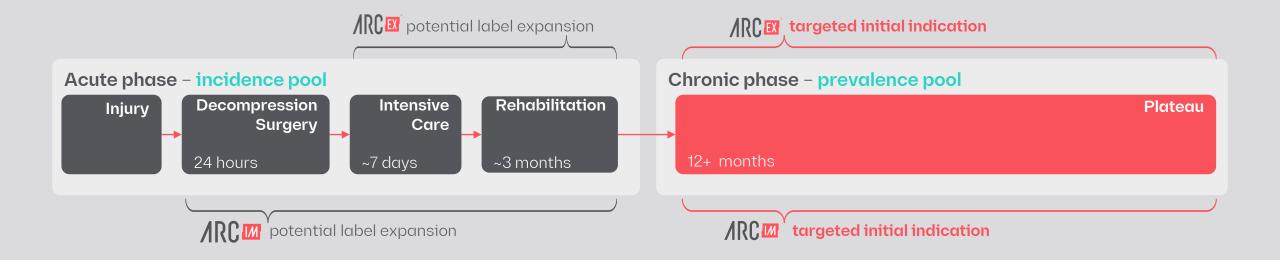
¹ NSCISC Annual Report, US and Europe only, World Health Organization Fact Sheet, November 2013, estimate 40-80 cases per millio

Kumar et al. 2018, Traumatic Spinal Injury: Global Epidemiology and Worldwide Volume

NSCISC Traumatic Spinal Cord Injury Facts and Figures at a Glance (2023 SCI Data Sheet); estimated lifetime costs for a person aged 25 at the time of injury with injury seventy AIS ABC; costs for a tetraplegic person calculated as the average cost for a person with high tetraplegia and a person with low tetraplegia

Current standard terminates care after rehabilitation period; initial ONWARD focus is chronic phase; future opportunity in acute phase

Patient Journey



Targeted, programmed electrical stimulation of the spinal cord to restore movement, function, and independence in people with spinal cord injury

Our Technology















ARC

Limited competition with safeguards against future competition











Similar Pre-Commercial Technologies

- Intellectual property controlled by UCLA and ONWARD Medical
- Limited funding raised to date¹
- Academic management teams

No Direct Competitors

Potential future competition from spinal cord stimulators for pain and other existing indications

- Currently supporting academic research with existing technology
- Several years required to reach parity with ONWARD Medical and market a competing technology
- Likely to enter space via M&A, leveraging balance sheets

Medtronic





No Direct Competitors

Focus of other BCI companies is to record brain signals to establish the capability to **control or communicate with computers**

ONWARD Medical has **unique focus on restoring movement** of the human body

ARC^{IM} "BCI-ready" platform is **agnostic and flexible**, providing opportunity to partner with other BCI companies



ONWARD Medical's first-mover advantage has provided path to large and formidable IP position with 270+ patents²

Reach commercial stage by year-end, then expand labeling and platforms

Company Focus

Short Term 2024

Medium Term **2026/2027**

Long Term 2026/2027+

Commercialize external platform (ARCEX)

First indication: Upper Limb

Population: SCI

Generate revenue and develop market for ARCIM



Commercialize implantable platform (ARCIM)

First indication: Blood Pressure

Population: SCI

Enter traditional medtech NASDAQ IPO/M&A window



Expand labeling and platforms

New indications and platforms to be assessed such as BCI

Populations: SCI, Parkinson's, Stroke



U

9 indications under clinical or pre-clinical evaluation, with 3 in current roadmap

Short and medium term focus

Current Pipeline

Clinical Indication **Human PoC Platform** FDA BDD¹ Pre-clinical Pivotal Feasibility² ARCEX Upper Limb Study expected to ARCIM **Blood Pressure** start early 2025 Mobility / Second ARCIM Indication ARCEX Mobility ARCIM Parkinson's - Mobility Human PoC ARCIM Bladder expected in 2025³ ARCBCI Mobility ARCBCI Upper Limb ARCDBS Mobility ✓ BDD¹ Granted O Current Roadmap Compared to the compared to O Platform Expansion

Note: The company may modify the pipeline based on clinical progress and marketplace considerations

¹ BDD = FDA Breakthrough Device Designation. ONWARD has been granted four additional BDDs for ARC^{EX} Bladder, ARC^{EX} Blood Pressure, ARC^{EX} Spasticity and ARC^{IM} Spasticity

² Includes both early feasibility (typically before device design finalized) and feasibility (near-final or final device design) studies

³ Funded by Christopher & Dana Reeve Foundation grant, conducted by EPFL

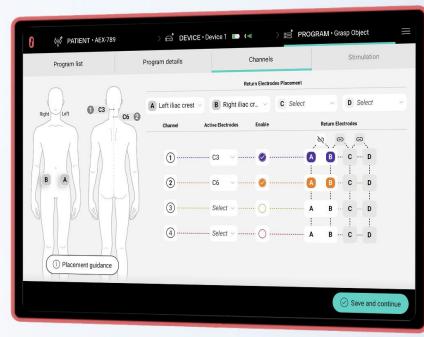
Funded primarily through grants and research partners



External system for non-invasive, programmed stimulation of the spinal cord



External Platform



ARCEX® PRO & myARCEX® app

via ARC^{EX®} Programmer



ARC^{EX®} Therapy

Individual stimulation parameters can be optimized for each patient's unique needs





Primarily driven by home use opportunity (vs. clinic use)

Company data, epidemiology data from 2022 NSCISC Annual Statistical Report Complete Public Version

Met all primary and secondary endpoints, demonstrating safety and effectiveness in improving upper limb function after SCI

(n=65, 14 trial sites globally)

90%

Improved in at least one primary strength or function assessment

87%

Reported improvement in overall quality of life

34 yrs

Improvements demonstrated up to 34 years post-injury

- No serious device-related adverse events
- Study participants also reported reduced spasm frequency, improved sleep, and improved upper body sensation, including the sense of touch
- o Examples of functional progress made by ARC^{EX} Therapy users include lifting filled cups, pushing a button on a remote control, and picking up objects with a fork

Pivotal Trial Results for ARC^{EX} Therapy

Improved hand function



Improved quality of life



FDA clearance expected in Q4 2024





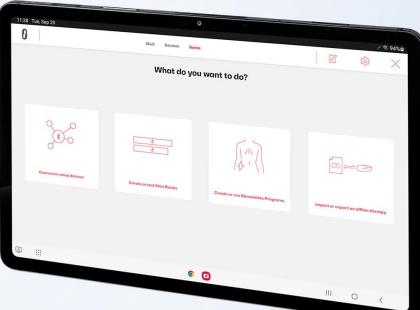
Moritz, Chet, et al. "Non-invasive spinal cord stimulation for arm and hand function in chronic tetraplegia: a safety and efficacy trial." *Nature Medicine*. 2024. Smaby, Niels, et al. "Identification of key pinch forces required to complete functional tasks." *Journal of Rehabilitation Research and Development*. 2004. Kirshblum, Steven C, et al. "International standards for neurological classification of spinal cord injury (revised 2011)." *The Journal of Spinal Cord Medicine*. 2011

IPG and leads for direct, programmed stimulation of the spinal cord



Implantable Platform





ARCIM® PRO App via ARC^{IM®} Programmer



(IPG)



Prioritizing highly commercially viable therapy as first indication

Blood Pressure Indication

ONWARD Medical is pursuing a therapy for **hemodynamic instability**:

- High commercial viability
- Cardiac dysfunction is leading cause of death among people with SCI¹
- Highly prevalent, affecting almost 75% of people with SCI (nearly 500,000 people in the US & Europe)
- Now includes Orthostatic Hypotension (OH) and Autonomic Dysreflexia (AD); expansion of pivotal study scope to include AD expected to result in increased awareness and clinical acceptance





Validation

Paper detailing our approach was published January 2021

ONWARD and partners receiving up to \$36M grant

¹ Grigorean et al, J Med Life, 2009

Reported December 2022, 10 participants across studies in Canada and Switzerland

Summary Results

- All participants had increased blood pressure with stimulation
- All participants who were on anti-hypotensive medication reduced dosage or stopped medication completely
- All participants reported reduction of orthostatic hypotension in daily life, feeling more energized and less dizzy
- Partners report higher levels of energy and increased participation in social interaction, during meals and family time
- All participants use stimulation actively in daily life, several during the entire waking day (>10h per day)
- Quality of Life improved in all participants

ARCIM Interim Blood Pressure Results

"My outlook on life has become more positive. I feel more awake and less tired and dizzy. I have a lot more appetite for life"

Publication of peer-reviewed interim results for blood pressure indication expected in toptier scientific journal in Q4 2024

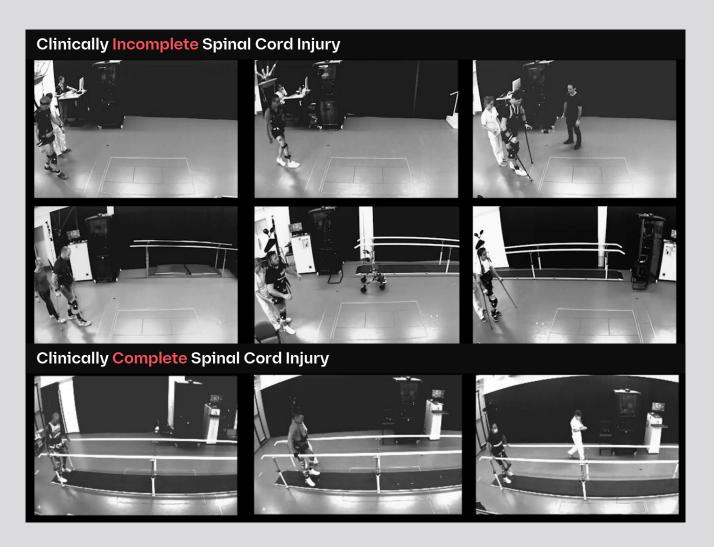


Ability to stand and walk restored in 9 participants with chronic injuries; even those with AIS-A severity

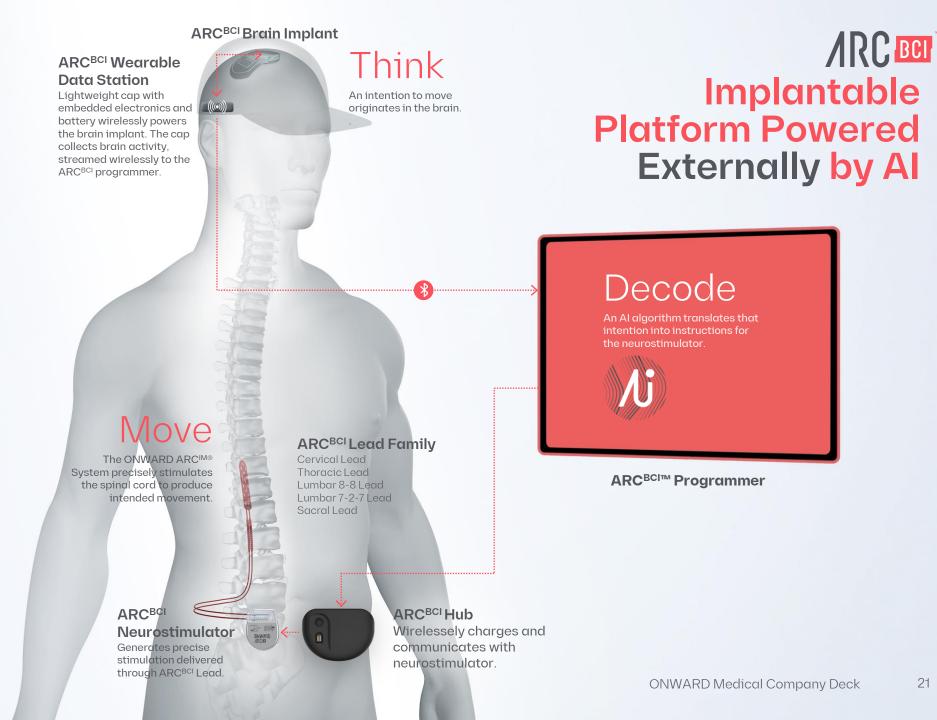
www.nature.com/nm/January 2022 Vol. 28 No. 1 nature medicine Targeting lipoprotein(a) with siRNA

ClinicalTrials.gov Identifier: NCT02936453

Mobility - STIMO Trial



Brain and spinal cord are reconnected by a **DigitalBridge™ to** restore thoughtdriven movement





ONWARD Medical is strategically well positioned to benefit from advances in BCI technology

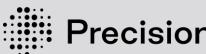
Brain Computer Interface (BCI)

BCI landscape

- Multiple companies racing to develop implanted brain recording devices
- o All these companies are focused on recording brain signals to establish the capability to **control or** communicate with computers













ONWARD Medical differentiation

- Advancing BCI technology to restore movement of the **human body** using our ARC^{IM} spinal cord stimulation therapy
- ARCIM platform is "BCI-ready" (i.e. designed to receive wireless signals from a BCI)
- Unique capabilities and flexible technology platform means ONWARD could eventually partner with other BCI companies or develop its own BCI using inlicensed technology

Note: For investigational use only

Imperative to be first-to-market with BCI-augmented movement restoration

BCI Selection Considerations



CEA-Clinatec's WIMAGINE system is cleared for

human research with ~7 years of human safety data: already restored movement in two humans

Invasiveness WIMAGINE implant procedure is less invasive, offering

lower risk than subdural or brain penetrating

electrodes

Resolution WIMAGINE provides sufficient resolution and

coverage of motor cortex to enable thought-driven

movement restoration

Other BCI technologies



A limited number of other BCI platforms cleared for investigation in humans; **none have yet been used to restore movement of the human body**

Use subdural, brain penetrating, or intravascular electrodes, bringing **higher risk than the epidural WIMAGINE platform** (e.g. inflammation, perforation, thrombosis)

May provide too little or too much resolution (overkill); may face difficulties offering sufficient access to or coverage of the motor cortex

ARC^{BCI} timeline

Safety

First-in-human
Mobility
2021

First-in-human
Upper Limb
2023

Additional implants with first generation technology 2024+

Pivotal study

Commercialization



Potential window for next generation technology







Enthusiasm from leading patient advocacy organizations and eagerness from SCI community

High Awareness and Pent-Up Demand

Strong relationships with **leading patient advocacy organizations** to drive awareness and market access

2500+ people with SCI or their family members have reached out to ONWARD Medical to inquire about our therapies since 2020

What are they saying:



"Functional recovery once deemed impossible may now be in reach"

Marco Baptista, Ph.D.

Chief Scientific Officer Christopher & Dana Reeve Foundation



"I have been following this closely for over 20 years, nothing like this has been brought to the clinical setting"

Kevin Schultes

Chairman of the Executive Board German Spinal Injuries Association (FGQ)



"This is our most visible success!"

Anita Gerhardter

CEO

Wings for Life

Unlike anything currently on the market. [It has] the depth of stim to reach central nervous system, which is the biggest challenge today

This allows the patient to continue to improve at home and optimizes therapy time when they're in the clinic

I want my patients to experience independence again [unanimous value proposition after seeing potential claims]

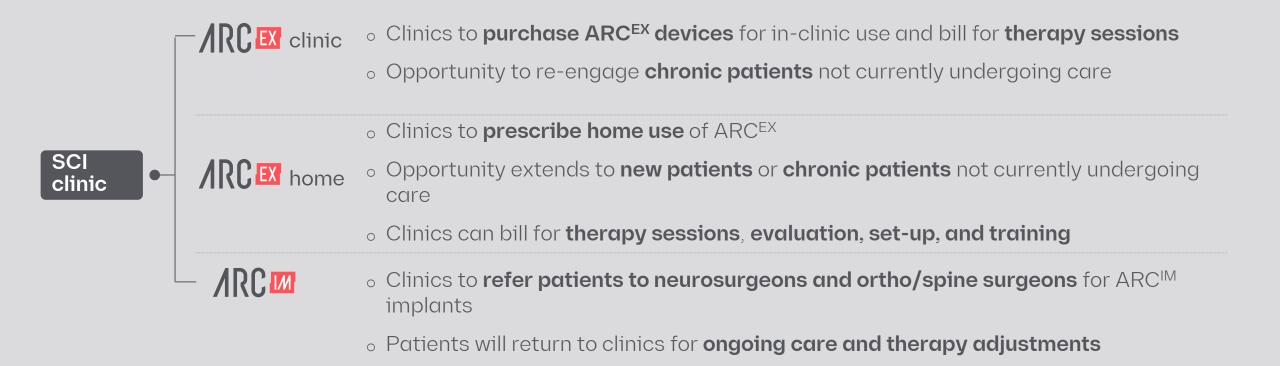
The product **provides hope** to a unique community that does not always feel heard. **10 out of 10, this brings** clinical benefit

Note: Quotes taken from interviews with clinical and economic stakeholders in the US and Germany



Following regulatory clearance, SCI rehabilitation clinics will be at the core of ONWARD's commercialization strategy

Rehabilitation Clinic Importance

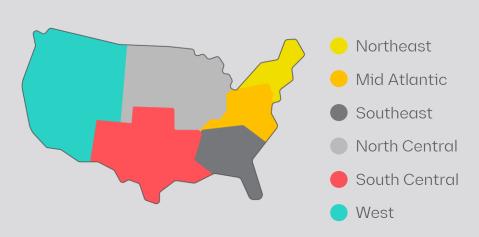


Build enduring relationships with priority target customers; high customer concentration

Call Points



US



Geographical focus

US and select European markets with sophisticated neurorehabilitation infrastructure, clinical partnerships, and/or favorable reimbursement for medical innovation

~450

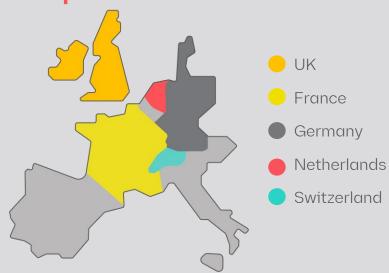
Specialist SCI and general rehab centers

Initial focus: ~75 Tier 1 accounts including VA SCI hub centers, Up-LIFT investigational sites and other US flagship SCI clinics

Sales force deployment: Expect to start with 6 Sales Reps

Targeting and Channel Strategy

Europe



 ~ 80

Specialist rehab centers

Initial focus: ~30 accounts including DMGP member paraplegia centers in Germany, chiefly BG SCI Kliniks

Sales force deployment: Expect to start with 2-5 Sales Reps in Europe and UK

Reimbursement pathways open immediately upon commercial launch



US Europe



Initially target Veterans Affairs beneficiaries, Workers' Compensation opportunities, and self-pay market to establish pricing history, while capturing real-world data to support pursuit of new CMS HCPCS code.

Initial plan to commercialize in **Germany, UK, France, Netherlands, and Switzerland**; focus will be on clinic vs. home sales. Target markets selected based on reimbursement environment for new technologies and sophistication of SCI rehabilitation infrastructure.

CMS has indicated its desire to identify an accelerated path to coverage for Breakthrough therapies (TCET).



Apply for new Category III CPT code to facilitate billing from day 1, with evidence generation plan to build case for new Category I code over time.

Leverage eligibility for incremental payment in outpatient (TPT) and inpatient (NTAP) settings in interim.

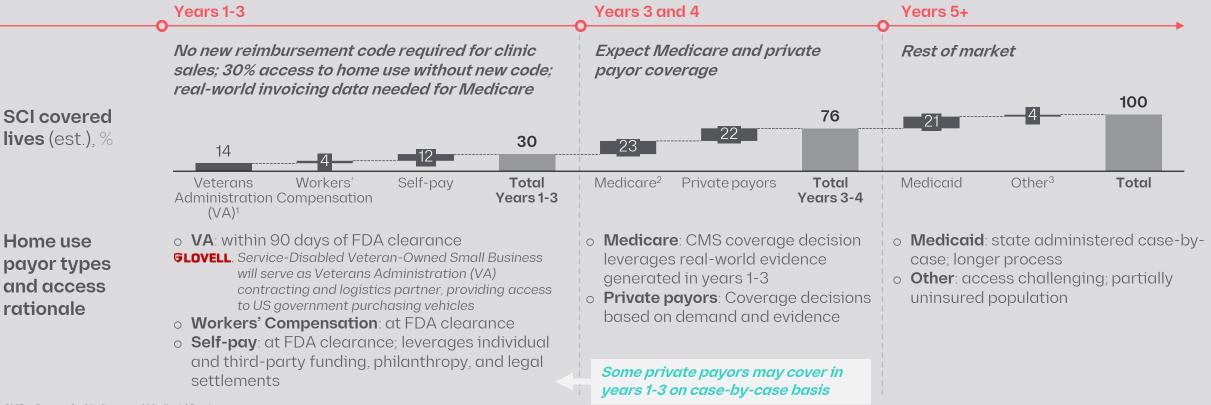
Breakthrough Designation satisfies "substantial clinical improvement" for outpatient (TPT) and inpatient (NTAP) addon payments and "newness" requirements for NTAP.

In largest European market (Germany), diagnosis (ICD) and procedural (OPS) codes are in place for planned indications, and a pathway exists to negotiate supplemental fee to cover ARC^{IM} procedure at a rate commensurate with the new, differentiated procedure.



Success in clinics will drive home use, which will generate data required for broad reimbursement; access to ~30% of market shortly after launch

Home Market Access Landscape and Evolution



CMS = Centers for Medicare and Medicaid Services

Note: Assumes 300k people with SCI in the US, out of which 42k are potential VA patients; assumes primary payor breakdown as per NSCISC 2021 Annual Report 5 years post-injury for remaining 258k non-VA patients; assumes patients who can be accessed through self-pay represent 20% of "private payors" pool, 20% of "workers' compensation" pool, 15% of "Medicare" pool and 5% of "Medica

¹Includes veterans with SCI who are not currently seen at VA centers but who may be eligible for VA coverage

² Medicare covered lives are split 50/50 between fee-for-service (CMS administered) and Medicare Advantage (private payor (MAC) administered). CMS decisions affect coverage for all, but private payors set payment for Medicare Advantage covered lives and are not required to follow CMS payment assignments.

³ Includes other government, no pay, private funds and other payor categories from NSCISC 2021 Annual Report (may include people uninsured or not covered) Source: Company estimates; VA; NIH National Center for Biotechnology Information (NCBI); NSCISC 2021 Annual Report

Competitive benchmarking vs. rehab devices widely available in the US and Western Europe

Positioning

FES & other electrical stimulation devices

Exoskeletons & FES bikes







Basic electrical stimulation

\$10k **FES for gait**

Multichannel FES

\$20k



\$45k **FES** bikes

\$60k **Upper extremity** robotics

\$120k

Exoskeletons

















Highly scalable and efficient manufacturing operations and supply chain

ARCEX Supply Chain & Operations



Scalable manufacturing process

- Use of easily sourced standard components and raw materials, providing flexibility and security in procurement
- Leveraging contract manufacturer for stimulator, with ample capacity to manufacture beyond currently forecasted volumes
- Final kitting at ONWARD facility, with less than 60 minutes assembly time

Supplier risk mitigations

- Build early to ensure product availability and seamless delivery at launch
- o **Build units in large lots** to maximize yield

Stimulator CMO

Manufacures and provides stimulator

ONW/RD

Assembles /RC

in Lausanne

Delivers via warehouse in Lausanne

Delivers via 3PL partner in the US

US

Other suppliers

Deliver hardware & electronic components 0

Rest of world





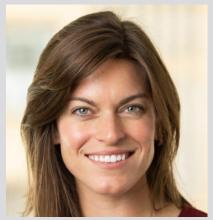
Team

Experienced, global management team with the expertise to commercialize



Dave Marver CEO

Seasoned medical technology executive with 30 years of global experience. Nearly 15 years with Medtronic in a variety of Vice President roles in the US and Europe. Has served as CEO of listed companies on NASDAQ and Euronext; raised over \$200M in capital via IPO and private financings; companies have developed three Time Magazine Best Invention awards.



Erika Ross Ellison, PhDVP Clinical, Regulatory and Quality

Former Leader of Abbott
Neuromodulation's Clinical
function. Former
neuroscience director at Cala
Health, a neuromodulation
device company. Former
professor of Neurosurgery at
Mayo Clinic. PhD in
Neuroscience from Mayo
Clinic, BS in Biology and MSc
in Molecular Biology from the
University of Denver.



Julien CamisaniVP Engineering

Over 20 years of experience with proven leadership across R&D, manufacturing, IP and product management for companies like Cytiva, GE Healthcare and Biosafe. Holds dual master's degrees in Embedded Systems from the University of Lugano, collaborating with ETH Zurich and Politecnico di Milano and an MBA from the University of Cumbria.



Sarah Moore VP Global Marketing

Over 20 years of healthcare
Marketing, Sales and
Business Development
experience, including 20+
product launches. Former
Global Marketing Leader at
Nevro, a neuromodulation
company. Nearly 15 years with
J&J as Business Unit and
Marketing leader. MBA from
Duke University



Bob Odell
VP Operations

Decades of medtech leadership experience including Class II and Class III devices for hospitals, clinics and home use. Former President & COO of Cardiac Insight and former COO of Cardiac Science. Leadership roles with GE Healthcare, Siemens, Philips and Medtronic.



Amori FraserFinance Director

~20 years of experience in both finance and auditing. Worked as a Senior Manager at EY, specializing in financial reporting, regulatory compliance, financial analysis and internal controls. Holds a BComHons degree in Accounting Sciences from the University of Pretoria and is a qualified Chartered Accountant (CA).



Strong shareholder base and access to capital

Country

Financial Profile

				•
Pre-IPO shareholders	inkef capital		Netherlands	11.5%
	EQT Life Sciences		Netherlands	10.8%
	Ğimv		Belgium	9.2%
	wellingtonpartners		Germany	7.6%
	INVESTAL		Netherlands	3.1%
	ONASSIS FOUNDATION		Greece	Undisclosed
	Christopher & Dana REEVE FOUNDATION		United States	Undisclosed
	SCI Ventures		United States	Undisclosed
Institutions	WORLDWIDE ASSET MANAGEMENT		Denmark	1.5%
	Öhman		Sweden	1.4%
	AXA		France	1.7%1
	BNP PARIBAS ASSET MANAGEMENT	Belgium	Belgium	1.0%
	SEB		Sweden	0.7%
	FONDITA		Finland	0.4%
	BNP PARIBAS ASSET MANAGEMENT	France	France	0.3%
	DNB		Norway	0.2%
	Belpointe Asset Mongoement		United States	0.1%
	CAPFI DELEN		Belgium	0.1%
	CROSSINVEST		Italy	0.1%
	C L A Y Asset Management		France	0.1%
	Belfius		Belgium	Undisclosed
			Germany	Undisclosed
Jer	Board memb	ers/Management	-	8.4%

o Up to €52.5M / \$58M of tranched growth capital secured in June 2024

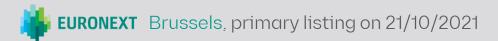
o Initial credit tranche of €16M drawn down RUNWAY

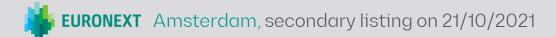


41.9%

% of capital

Listing venue





Analyst coverage

Broker	Target Price	Recommendation
Bryan, Garnier & Co	€20.0	Buy
Degroof Petercam	€14.1	Buy
KBC	€9.3	Buy
STIFEL	€12.0	Buy
Kepler Cheuvreux	€12.3	Buy
Average	€13.5	Buy

Free float

Shareholder

High-growth market segment with successful peers reaching significant valuations

Neurostimulation Comps

Size

\$14.8B

(2030E)

CAGR

12.2%

(2023E - 2030E)

Comparable Companies

Company	HQ	Exit Year	Exit Type	Equity Value (\$)
Axonics		2024	M&A	M&A offer price: ~3.7B ¹
\$\langle\$\lnspire		2018	IPO	Current market cap: 5.9B ²

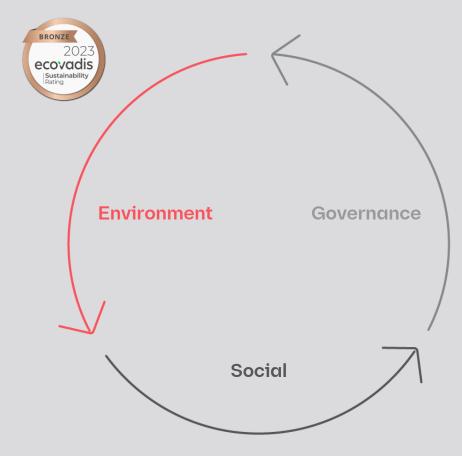
Sources: Global News Wire - Vantage Market Research - Global Neurostimulation Devices Market Size for market size and CAGR; FactSet as of 6-Sep-24

¹ Based on Boston Scientific press release as of 8-Jan-24

² FactSet as of 6-Sep-24

Rated in top 40% in industry for sustainability performance by EcoVadis

5 principles in support of 9 SDGs¹



Click <u>here</u> to access company report with details



Environment

Minimizing our environmental footprint

O Social







Innovating for the underserved Partnering with patient groups

Governance



Maintaining high ethical standards



Attracting & retaining top talent

Sustainability Summary

Performance on key sustainability metrics

88%

of purchased electricity from renewable sources

45%

of supervisor and manager roles held by women²

50%

of top 20% of earners are women

0

Several important catalysts expected in the next 12 months

Upcoming Milestones and News Flow

ARCEX

Regulatory clearance submission

Upper limb

COMPLETED

ARCEX

Up-LIFT pivotal study manuscript publication

Upper limb

COMPLETED

ARCEX

FDA clearance

Upper limb

ARCEX

First commercial sale (US)

Upper limb

ARCIM

First participant enrollment¹

Early feasibility study Parkinson's mobility

ARCIM

Interim results publication

Blood pressure

ARCIM

IDE submission

Empower BP pivotal study Blood pressure

ARCIM

IDE approval

Empower BP pivotal study Blood pressure

ARCIM

First participant enrollment

Empower BP pivotal study Blood pressure

ARCIM

First-in-human²

Bladder

ARCBCI

Additional implants³

Upper limb and Mobility

Note: All platforms and therapies are for investigational use only

¹ Funded by Michael J. Fox Foundation for Parkinson's Research grant

² Funded by Christopher & Dana Reeve Foundation grant

³ Funded by European Innovation Council and Christopher & Dana Reeve Foundation grants

A compelling opportunity with large potential upside

Key Takeaways



\$20B+/€19B+ addressable market with current roadmap; straightforward commercialization pathway



One pivotal study completed with positive top line results; positive interim results from 2nd indication; several additional indications planned



Innovation highlighted by ten FDA
Breakthrough Device Designation
awards and comprehensive IP
portfolio of 270+ issued patents¹



Strategically well positioned to benefit from **advances in BCI technology**

Note: 1 EUR = 1.1 USD; patent figures as of end of Q2 2024 ¹ Includes EP country validations



Experienced, international management team with proven track record



Successful IPO in October 2021 with strong shareholder base and access to equity capital and debt financing



