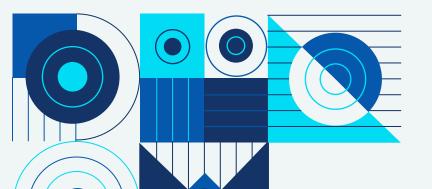


Enabling Limitless Movement for Knee Related Injuries



Strider MK. II

Never Before Seen

There is nothing like it on the market right now. Experience all the functionality of an exoskeleton in the familiar style of a knee brace.

Integrated Passive and Active Systems

The Strider remains operational even when there is no power. Our novel liquid spring system works around the clock so you don't have to.

Customized to YOU

Every person is unique, and so is every purchase of the Strider. Each and every model is manufactured to your specific knee anatomy.



Knee Pains, Injuries, and Tears



25%



52%

Rise in knee pain over the past 20 years

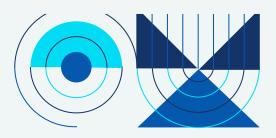
Of adults are affected by knee pain

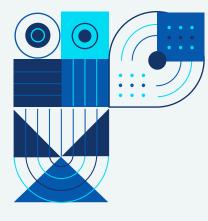
Of all sport injuries are related to the knee joint

More likely to develop knee osteoarthritis for those in physically demanding jobs



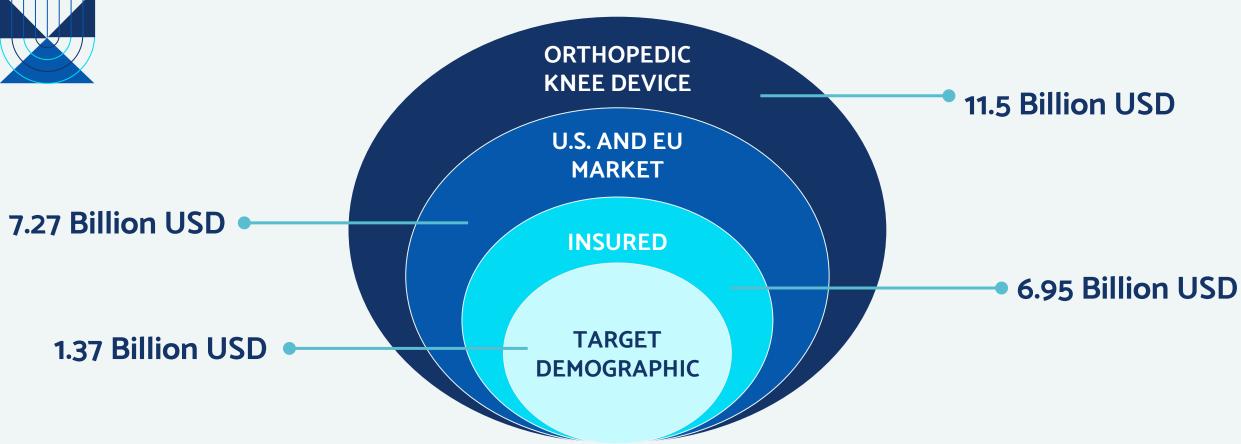






Market Sizing





Total Market Value: 1.37 - 1.71 Billion USD



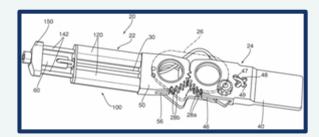




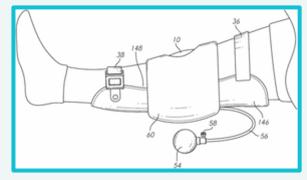
Intellectual Property (IP)



Patents that may pose a barrier to commercialization



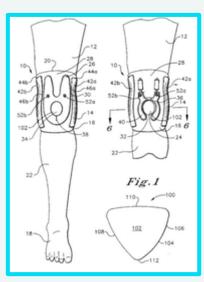
Hinge for a brace (US11464661B2)



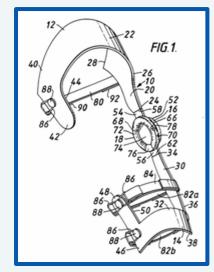
Soft inflatable exosuit for knee rehabilitation (US11259980B2)

- ✓ Conducted a "Freedom to Operate" search
- ✓ Diversified search queries to broaden search
- ✓ Strider Mark II has the freedom to operate

Expired Patents



Knee brace having an inflatable pad circumscribing the patella (US5792084A)



Osteoarthritic knee brace (EP0670152B1)





Equity Considerations









Sensor-based, motorized, and algorithm-driven



Petal Diagram

Electrical stimulation (NMES)

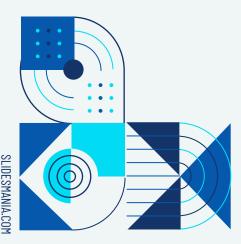


ottobock.



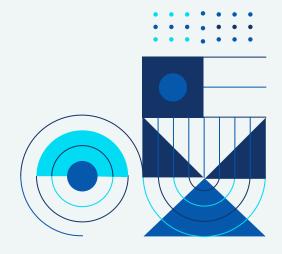


Braces for the knee joint



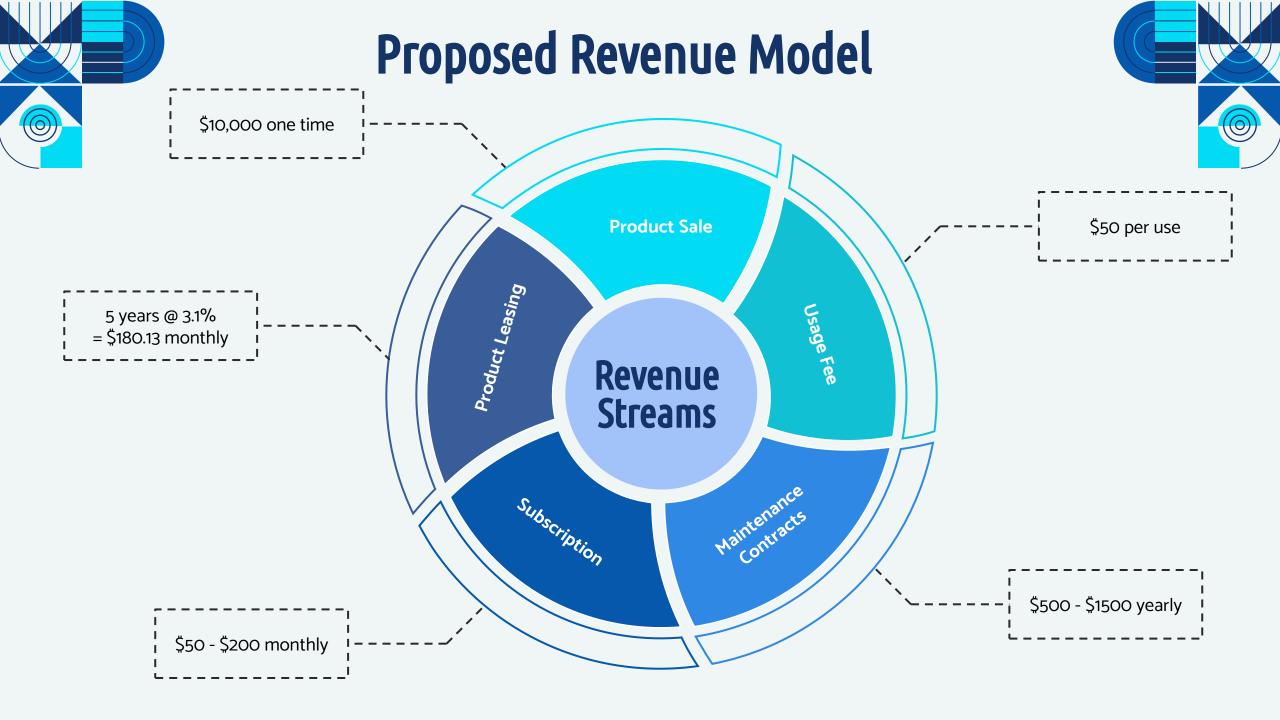


Unique movement systems

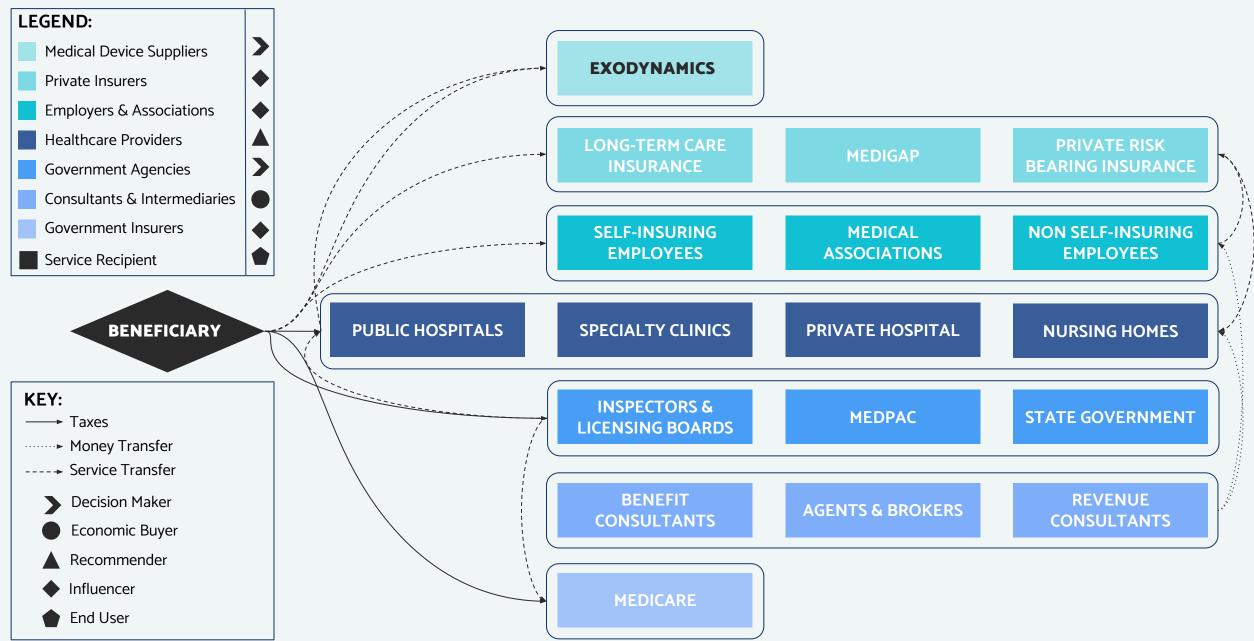


Whitespace Diagram

	Fail-Safe for Power Loss	Dual Activation System	Product Cost	Accompanying App			
	Device still usable if loss of battery / user is not harmed?	Adds redundancy to the system in case of failure	Low cost means more accessible for more people	Helps with control, various settings, and data analytics			
ExoDynamics (Strider MkII)	Relies on secondary passive system	Dual system - pneumatic active system & liquid spring passive system	\$10,000	Strider Companion App			
Ekso Bionics (Ekso Indego Personal)	Locking mechanism	Single system - motor-based active system	\$100,000+	Indego Therapy Assistant			
ReWalk Robotics (ReWalk Robotics ReWalk Personal 6.0 Exoskeleton)	"Gravity Mode" maintaining a standing position & locking mechanism	Single system - motor-based active system	\$77,000	ReWalk Personal App			
Cyberdyne (Hybrid Assistive Limb)	Manual mode & gradually and smoothly reduce the power assistance to zero	Single system - motor-based active system	\$20,000	HAL Connect			

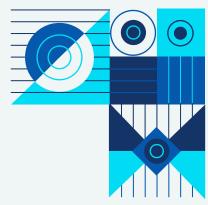


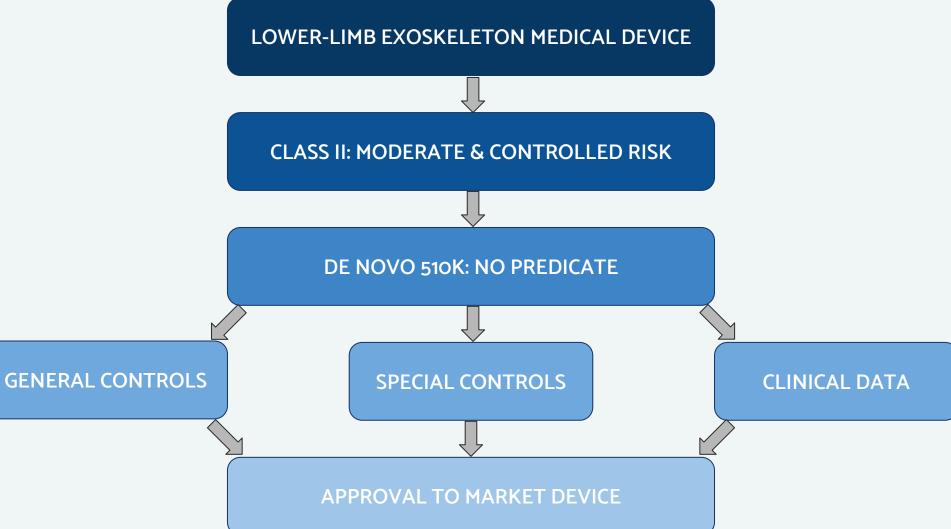
Customer Decision Network

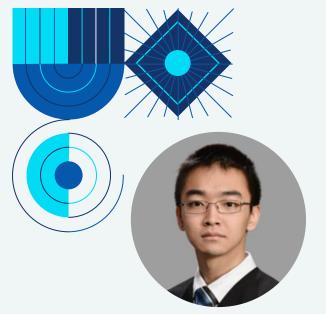




Regulatory Process





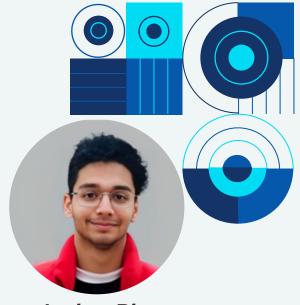


Sam Chang
Chief Executive Officer (CEO)
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3+ Years Experience in Biomechanics & Biomaterials

The ExoDynamics Team



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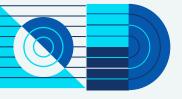


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VacantChief Sales Officer (CSO)



Our Expert Partners



Shirley Ryan **Abilitylab**







UC Berkeley Robotics & Human

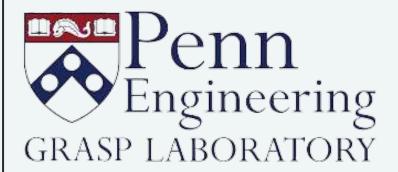
Engineering Laboratory



















Jose L. Pons, PhD.

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Clinical Advisors Team

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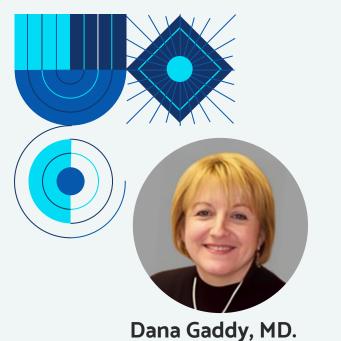
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Industry Advisors Team



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Aimee S. Klapach, MD.

Knee Surgeon, Abbott Northwestern Hospital

Board Certified Specialist, Sports Medicine & Orthopaedics

20+ Years Experience in Ligament Reconstruction



Director of Biological Sciences, Texas A&M University Former Gymnast, Runner, Swimmer & Skier

Ruptured Anterior Cruciate & Medial Collateral Ligaments

Nicholas Kennedy, MD.
Orthopaedic Surgery Resident, Mayo Clinic
Former College Football & Basketball Player
Ruptured Anterior Cruciate & Fibular Collateral Ligaments



Jane Kreis
Consumer Safety Officer, Food & Drug Administration
Regional Training Officer, Office of Regulatory Affairs
120+ Medical Device Inspections over 20 Years



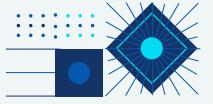
Anikar Chhabra, MD.

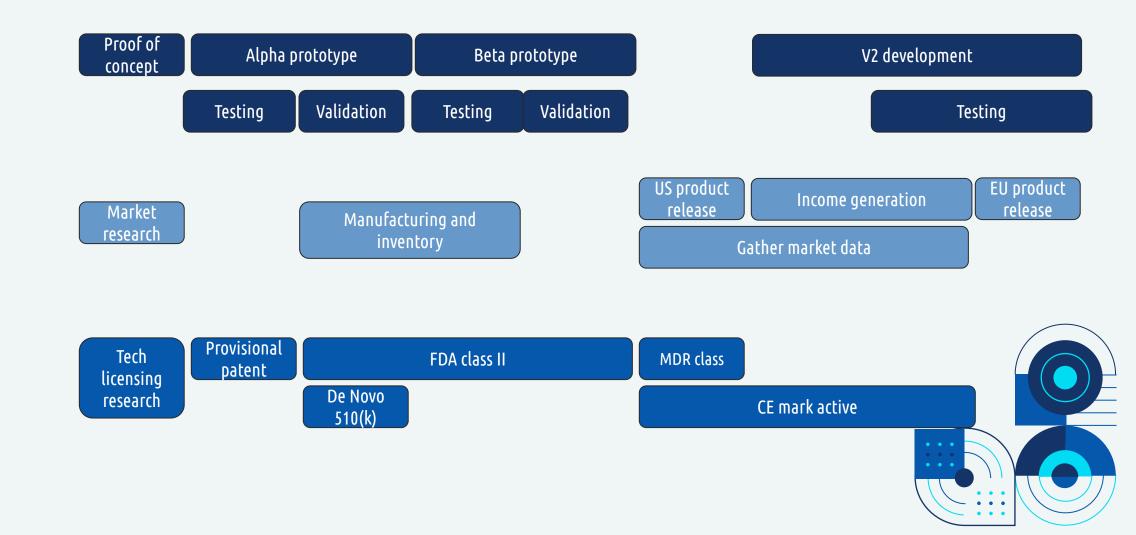
Knee Surgeon, Scottsdale Shea Medical Centre

Board Certified Specialist, Sports Medicine & Orthopaedics

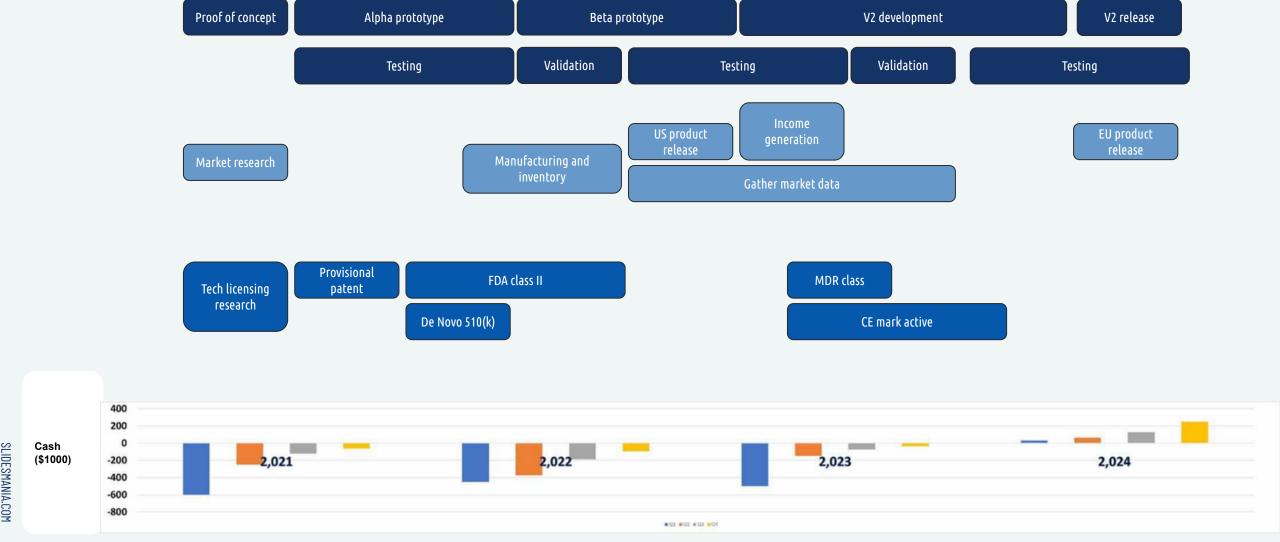
20+ Years Experience in Ligament Reconstruction

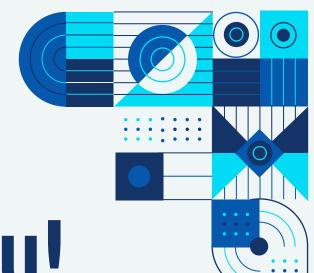
Venture Roadmap





Costs and Cash Timeline







Thank you!

Do you have any questions?

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References

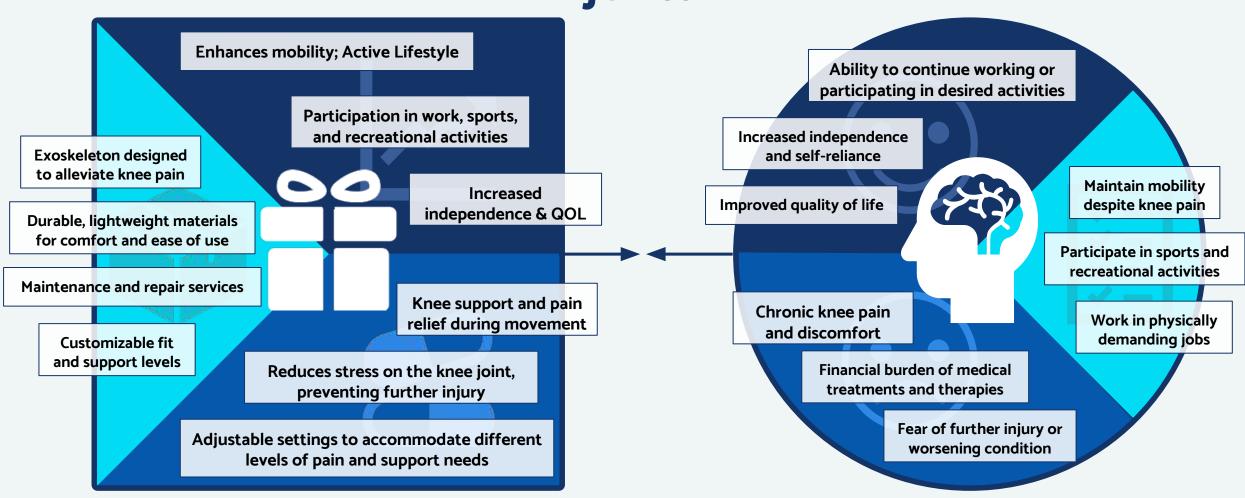
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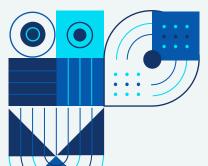
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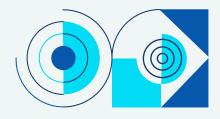
Appendix

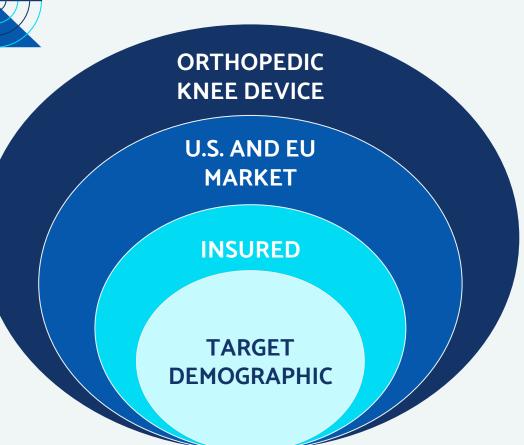
Value Proposition Canvas: Knee Related Injuries





Market Sizing



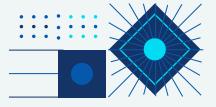


Global Orthopedic Device Market	40.88 Billion USD
Knee Market Share	28.2%
Global Orthopedic Knee Devices Market	11.5 Billion USD

U.S. Market Share	33.3%	EU Market Share	29.9%		
U.S. Knee Devices Market	3.83 B USD	EU Knee Devices Market	3.44 B USD		
U.S. Insured %	91.7%	EU Insured %	100%		
U.S. Insured	3.51 B USD	EU Insured	3.44 B USD		

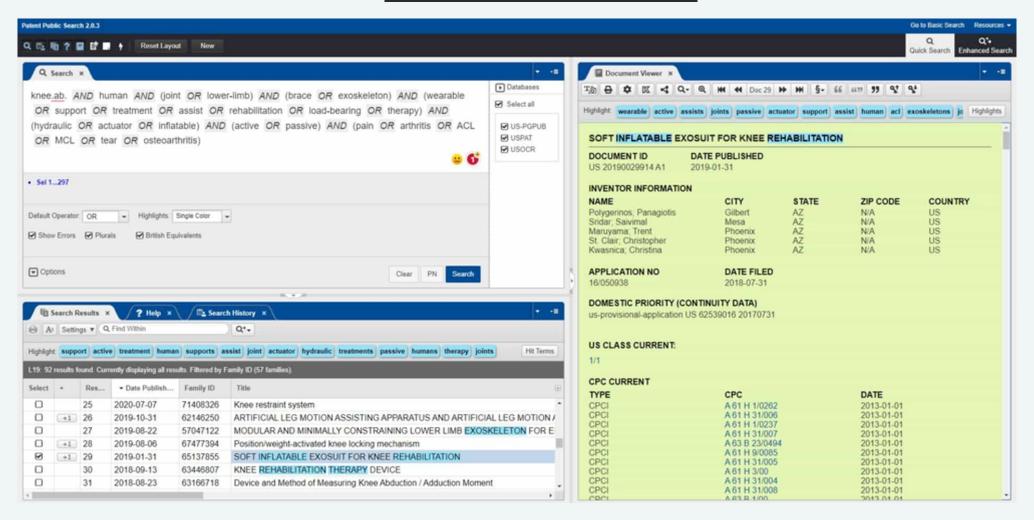
Knee Implants	60-70%			
Knee Brace	20-25%			
Arthroscopy Devices	10-15%			

Total Market Value 1.39 - 1.73 Billion USD



Freedom to Operate Search Example

USPTO - Patent Public Search



Competitive Landscape Research

- Sensors to detect electrical signals in muscles - Computer system interprets signals and controls electric motors that drive joint motion - Battery powered for electric motors

Esko Bionics	 Sensors that detect the user's movements and weight shifts Computer system on waist interprets signals and controls motors Battery powered, but is also removable
--------------	---

Wandercraft	Motorized joints and sensorsMotors at the hip, knee, and ankle joints, which are controlled
	by a wearable remote control
	- Adjustable to fit different body types and is modular
	- Currently undergoing clinical trials in Europe

Articulate	- Uses electrical stimulation to activate specific muscle groups around
Labs Inc	the knee joint, helping to improve knee function and reduce pain
	- Sensors that detect the user's movements and adjust the
	stimulation patterns and intensity accordingly

- Includes an app that allows users to track their progress and adjust settings, as well as access instructional videos and other resources

ReWalk Robotics

- Sensors that detect changes in the user's posture and balance, allowing it to adjust its movements and maintain stability
- Motors that provide powered movement to the hip and knee joints
- Controlled using a wearable remote control that the user can activate to stand up, walk, turn, and sit down
- Using crutches or other assistive devices for support

Competitive Landscape Research Cont.

Indego

- Sensors and motors to detect the user's movement intentions and provide powered assistance for walking and standing
- Connected to a control unit worn around the waist and a backpack-style power source
- Sensors detect the movement and send a signal to the motors to provide assistance in lifting the leg and placing it forward

Rex Bionics Ltd

- Hands-free control system that allows users to initiate movements and adjust settings using body movements like weight-shifting or leaning forward
- Sensors, motors, and software algorithms to detect the user's movement intentions and provide powered assistance for walking and standing

Meditouch

- Biofeedback technology to guide patients through exercises and provide real-time feedback on their movements and progress
- Adjustable to fit patients of different sizes and can be used with both legs
- Control box that contains sensors and motors

Thuasne

- Dynamic compression to help reduce pain and improve function
- Adjustable hinge system allows the user to control the amount of support and flexibility provided by the brace

ExoAtlet

- Backpack containing the control unit and power source
- Sensors, motors, and software algorithms to detect the user's movement intentions and provide powered assistance for walking and standing
- Controlled by a therapist using a tablet-based interface, allowing for real-time adjustment of assistance level and gait parameters
- Designed to be used in rehabilitation settings

MarsiBionics

- Lithium-ion battery for power
- Bluetooth connectivity for smartphone app control
- Sensors, motors, and software algorithms to detect the user's movement intentions and adjusts the resistance of the knee joint in real time

Rehab-Robotics Company Limited

- Mechanical linkage system for adjusting the angle of the knee joint
- Knob or lever for adjusting the angle of the knee joint
- The angle of the knee joint can be locked in place to provide stability during physical activities

Competitive Landscape Research Cont.

SuitX

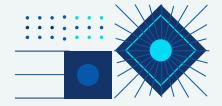
- Several components, including a hip module, thigh module, knee module, and foot module, which can be combined and adjusted to fit the user's individual needs
- Controlled by a wireless remote that allows the user to adjust the level of assistance provided by the device
- Powerful motors to provide assistance to the user's lower limbs, helping them to stand up, walk, etc
- Advanced sensors and algorithms to adapt to the user's movements in real-time, providing a more natural and intuitive experience
- Unique feature is its "quick release" mechanism, which allows the user to easily detach and reattach the exoskeleton components for greater flexibility and convenience

B-Temia

- Sensors, motors, and software algorithms to detect the user's movement intentions and provide powered assistance for walking and standing
- Backpack containing the control unit and power source
- Unique "stair mode" allows the device to detect when the user is climbing stairs and adjust the assistance provided accordingly

Ottobock

- Sensors that detect the user's movements
- Passive spring-based mechanical system



Costs and Cash Analysis

		2021				2022					2023			2024			
	Q1	Q2	Q3	Q	4	Q1	Q2	Q3	Q4	Q1	Q2	Q3 C	24	Q1	Q2 Q	3	Q4
Revenue		0	0	0	0	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000
cogs		0	0	0	0	375,000	375,000	375,000	375,000	375,000	375,000	375,000	375,000	375,000	375,000	375,000	375,000
Gross profit		0	0	0	0	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000
Operating expenses																	
R&D		0	75,000	75,000	75,000	75,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000
Sales & marketing		0	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
General & administrative		0	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Regulatory		0	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Total costs		0	200,000	200,000	200,000	200,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
EBITDA		0	-200,000	-200,000	-200,000	-75,000	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000	-125,000
Yearly P/L					-600,000				-450,000		-500,000)	-500,000		
Ask													1,550,000				

