

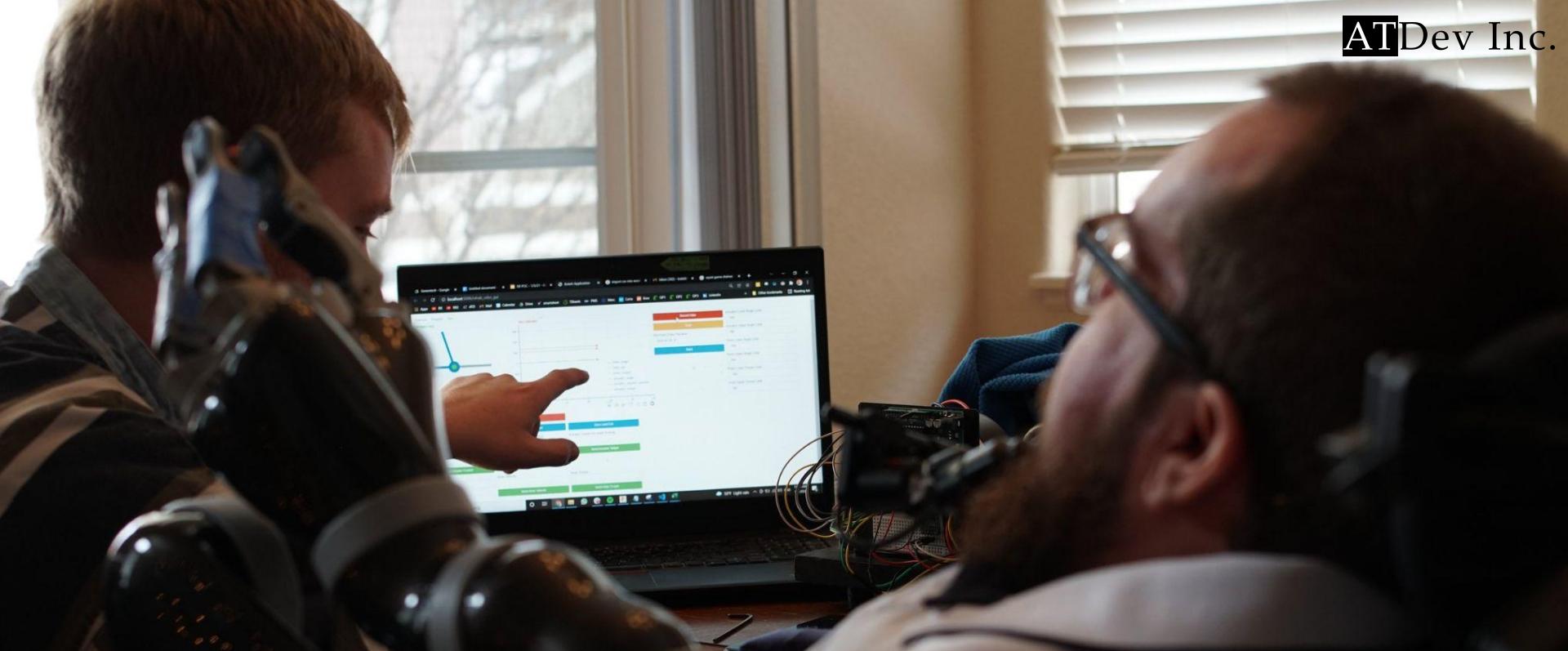
Co-founder, Owen Kent

ATDev Inc.



OUR MISSION

Develop scalable, user-specific assistive technology.



PRODUCT VISION

We are *reimagining* physical therapy through robotics to transform access to care and tracking of patient outcomes.

The Problem

Providers are being pressured by **Payers** to reduce procedural costs under **Value Based Care**

Total Knee Replacement Surgeries

High cost, high volume procedure

1,319,496 annual procedures in 2021

3.5M projected annual procedures by 2040

\$7B + Medicare Cost

-\$474.61 average reconciliation per patient

Average cost of **post-acute care** per patient is **\$3000**



Hospital/
Facility



Appointment



Anesthesiologist
Surgeon

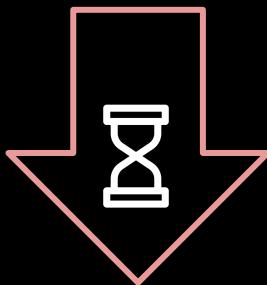


Post-Acute
Care

TARGET

The Solution

Reduce PT Time

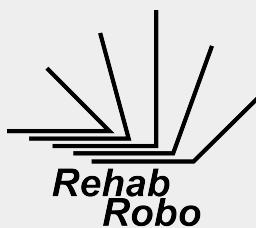


Increase Revenue

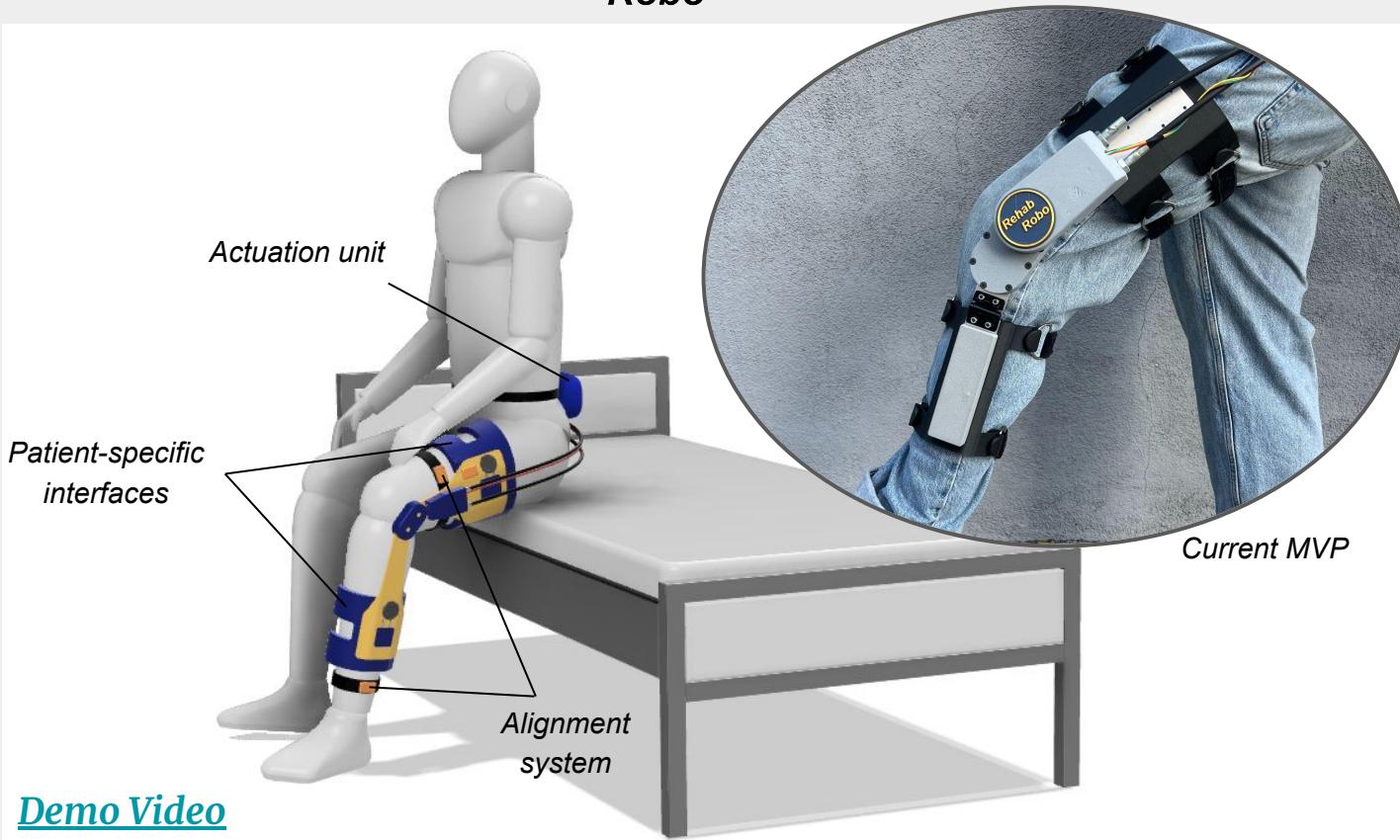


- Less **PT time** per patient
- Less **reporting**

- More **reconciliation** per patient
- More **patients** per PT
- Improved **quality of care**



The Technology:



Rehab Robo is the first device that can support the **entire** rehabilitation pathway.

PASSIVE STRETCHING



ACTIVE STRENGTHENING



SIT-TO-STAND STAND-TO-SIT ASSISTANCE



GAIT ASSISTANCE & RE-EDUCATION



Device Features

	Passive Stretching	Active Strengthening	Sit-to-Stand Stand-to-Sit Assistance	Gait Assistance & Re-Education
Passive Stretching	✓		✓	✓
Active Strengthening		✓	✓	X
Ambulation Assistance	✓	✓	X	X

FDA Class 1 Device

FDA Class 2 Device

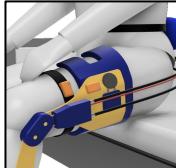
*Includes 15% remaining PT time

**Patient will still need to pay for regular PT regimen

Competitive Landscape

ATDev Inc.

Rehab Robo Traditional PT x10 Dynamometer Kinex CPM Hinge Health App



x10 Dynamometer



Kinex CPM



Hinge Health App



Price Per Patient Episode of Care

\$1700*

\$3000

\$2286**

\$2000**

\$300**

Data Collecting and Reporting

✓

✓

✓

✓

✓

Passive Stretching

✓

✓

✓

✓

X

Active Strengthening

✓

✓

✓

X

X

Ambulation Assistance

✓

✓

X

X

X

Device Features

*Includes 15% remaining PT time

**Patient will still need to pay for regular PT regimen

VALUE PROVIDED

PATIENTS



- Accessibility
- Motivation
- Outcomes

CLINICIANS



- Patient Tracking
- Data Driven Rehab
- Less Admin

ADMINISTRATION



- Lower Cost
- Lower Readmission
- Less Admin

Return on Investment

Quality, accessible care for patients, at a significantly reduced cost for the provider.

Potential
Reconciliation

\$3000 —

Cost of
Rehab Robo

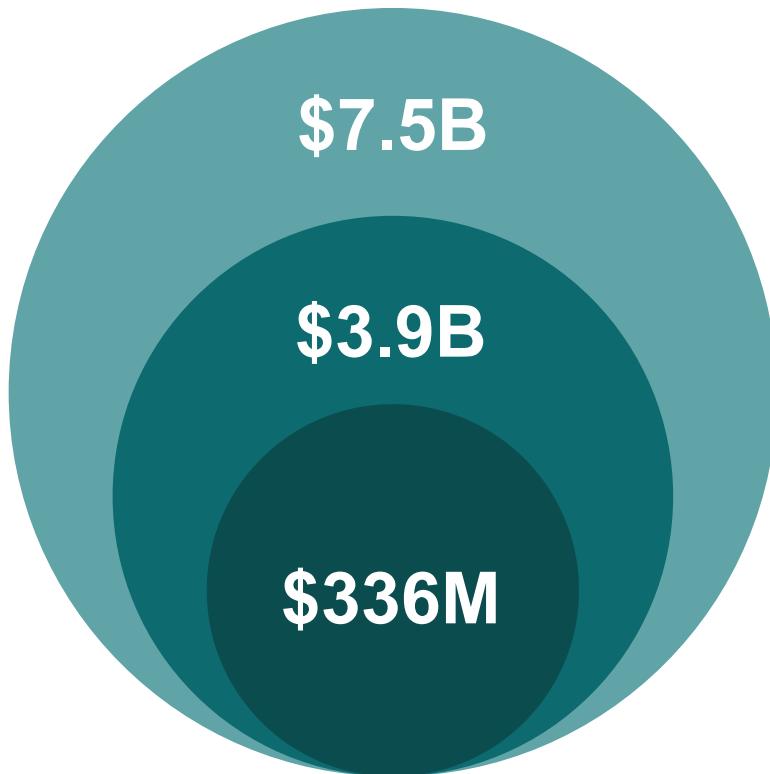
\$1700 =

ROI per
Patient

\$1300

\$1250 Cost of Rehab Robo
\$450 15% PT time

US Market Size



TAM All Orthopedic Knee Surgeries

PAC (\$3k) X Annual # of Knee Surgeries (2.5M)

SAM All Knee Replacement Surgeries

PAC (\$3k) X Annual # of TKR's (1.3M)

SOM Bundled Knee Replacements

PAC (\$3k) X Annual # of Bundled Surgeries (112,000)

5 Year Forecast

- 68 Institutions
- 44,000 Annual Surgeries
- **\$55M** Annual Revenue

Prospective Customers

433 Hospitals in CJR Model

- John Muir Health
- HOAG Ortho Institute
- UCLA Medical Center
- Keck Hospital of USC
- Los Angeles County Hospital

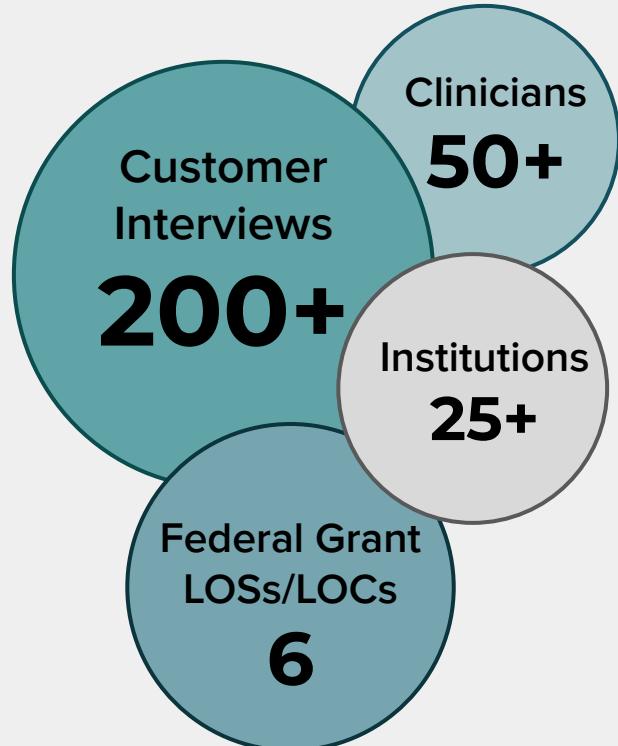
1707 Providers in BPCI Advanced Model

- University of California San Francisco
- Cedars-Sinai Medical Center
- Cleveland Clinic
- Mayo Clinic

Integrated Care Systems

- Kaiser Permanente
- University of California Davis Health System
- Dignity Health
- Sutter Health

Customer Discovery Traction



*“By creating a device that encourages active patient participation and incorporates telehealth, Rehab Robo may allow for **more efficacious rehabilitation.**”*

- Dr. Kuo, Chief of Orthopedic Surgery, SF VA



*“Rehab Robo will have a profound impact on **improving patient outcomes** and **reducing cost to the healthcare system.**”*

- Dr. Florence, Chief of Staff, Estes Park Medical Center

Current and Upcoming Clinical Data

ATDev Inc.

Healthy subjects with previous knee injuries

- 100% of patients preferred Rehab Robo to standard post-op brace
- 100% of patients stated that they would use the Rehab Robo device for future rehab
- 100% of patients indicated that they felt safe using the Rehab Robo device.

IN PROGRESS



Post TKA patients

- Phase I - April 25
(4-5 patients in clinic)
- Phase II - Q3 2022
(30 patients at-home for 6 weeks)

SCHEDULED



Post TKA patients

- Confirmed principal investigator

PENDING

Go-to-Market Timeline

Raised \$210K

\$150k Grant
\$60K F&F

Raise \$1M

\$150k Grant
\$850K Seed

Raise \$5M

\$1.5M Grant
\$3.5M Series A

2021

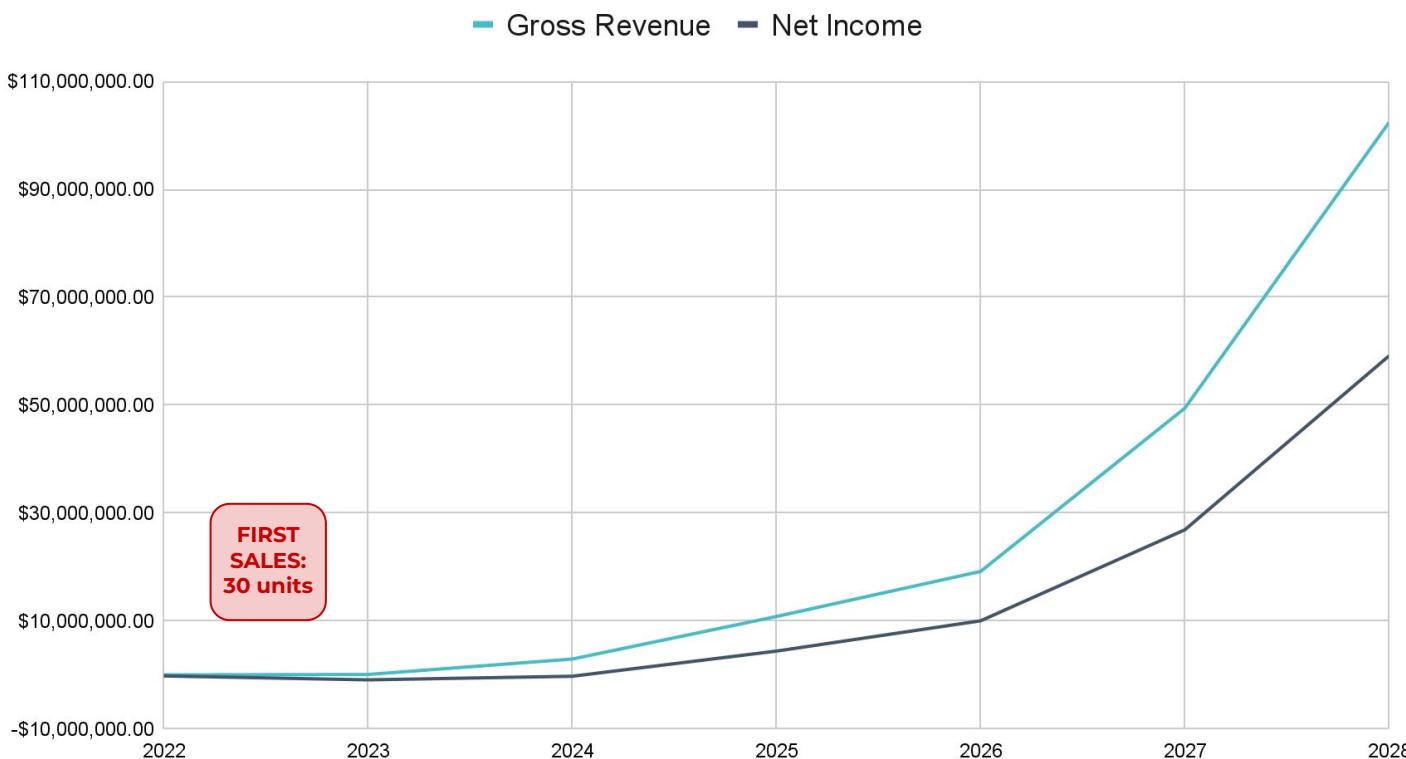
2022

2023

		<u>Clinical Trial</u>	<u>Go-to-Market</u>
❖ Incorporation (2020)	❖ Pilot*	❖ Multi-site	❖ 6 person sales team
❖ Product Market Fit	❖ DFM ❖ 510K (Q3)	❖ 1 year	❖ 1st Target CJR ➤ Pacific ➤ South Atlantic
❖ MVP R&D	❖ IP	❖ Marketing data	❖ Expand to BPCI & Integrated Care

*UC Health Pilot Funded by OEDIT POC Grant

5 Year Financial Forecast



Year 5



M&A Opportunities

Prosthesis OEM's



ZIMMER BIOMET



stryker[®]



Orthosis OEM's

ottobock.



ekso



Digital MSK Apps



Hinge Health



Meet The Team



Owen Kent
Social Entrepreneur (CFO)



Todd Roberts
Master of Mechanical
Engineering (CEO)



Teddy Lutkus
Computer Engineering, PhD
Robotics Engineer



Bianca Riello
Master of Bioengineering
(CTO)



Dr. Grace O'Connell
Associate Professor
Mechanical Engineering
UC Berkeley



Dr. Alfred Kuo
Chief of Orthopedic
Surgery
San Francisco VA



William Dexter, MD
Director of Research
Maine Medical Center
Research Institute



Dr. Tina Duong
Research Physical Therapist
Stanford University



Mark Klopp
Managing Director
Coronis Medical Ventures



Josh Caputo
CEO
Humotech

Investment Opportunity

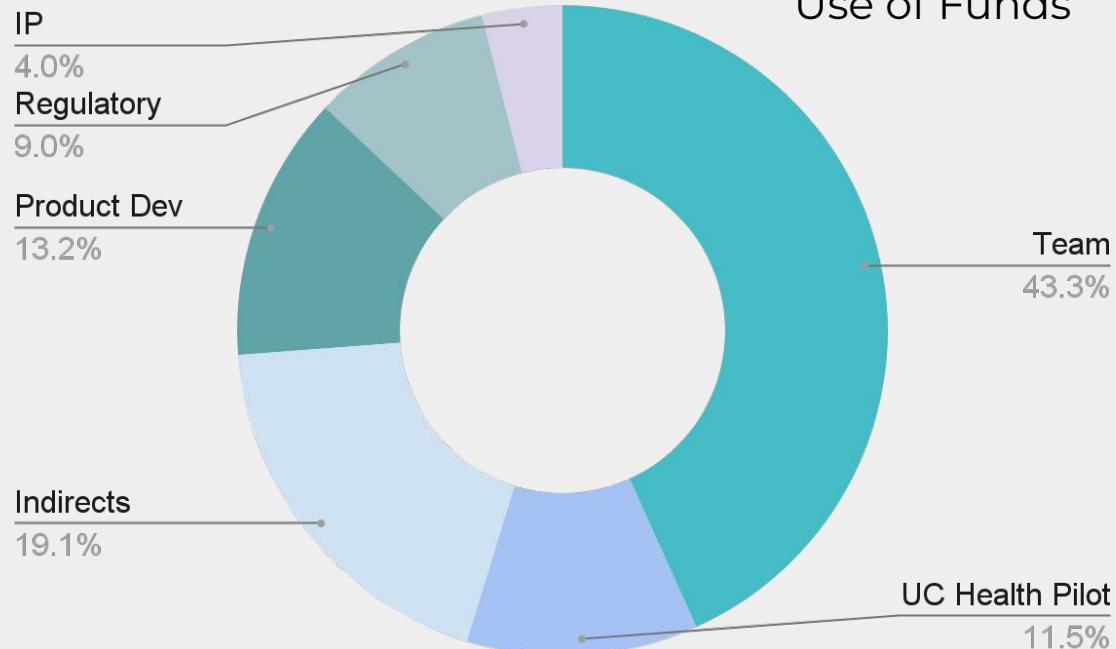
Seeking 12 month financing and mentorship for commercialization activities

Investment



\$1M*

Use of Funds



*\$850k Convertible Debt (5%, 12mo, 20% Discount, \$5M Valuation Cap) + \$150K OEDIT Grant



ATDev Inc.



Thank you.

Contact: Todd Roberts, CEO
Email: todd@assistivetech.dev
Phone: 301-769-8760
Website: assistivetech.dev