



ADARACT

Industry: HardTech, DeepTech | Stage: Pre Seed / Seed | Generating Revenue: Q1 2023

One Line Summary: High-performance artificial muscle actuators* to provide stronger, lighter, and smaller solutions.

*Actuator: a device that causes a machine or other device to move.

Business Summary: Adaract is a HardTech company that has developed a proprietary actuator allowing unprecedented performance in high value industries like bionics, robotics, aerospace, and more. Our initial proof-of-concept for this technology is in prosthetics, where we can disrupt the up-and-coming powered prosthetic market. We have already completed a mechanically functional prosthetic prototype that validates the effectiveness of our actuators in this use case. We have also externally validated the interest in our actuators with an upcoming paid pilot test that will generate \$50k+ revenue beginning Q1 2023.

Customer Problem: Industries like bionics, robotics, and aerospace are limited by current actuator technology. More specifically to our initial focus on prosthetic actuators, current lower limb prosthetic devices are severely limiting to amputees due to lack of sufficient actuator technology to provide a “lifelike” prosthetic. This makes simple tasks very challenging and induces a lot of pain, fatigue, and health deficits.

Product/Services: Our proprietary actuator technology provides >10x the force (per actuator weight) relative to other industry leading options. Additional Adaract subsystems also allow this actuator to maintain very fluid movement with impressive energy efficiency. The actuators and associated subsystems will ultimately be the product with engineering as an additional service for custom solutions.

Target Market: Our current target markets are bionics, robotics, aerospace, and heavy equipment. In the short term, our primary target is a major prosthetic manufacturer for a licensing and custom development/supply contract for use in powered lower-limb prosthetics; we expect our upcoming paid pilot test to evolve into this type of arrangement.

Customers: Our soon-to-be first customer is an industry leading prosthetic manufacturer that has approved an actuator pilot test budget of \$20k upfront followed by \$8k/mo for a minimum of 4 months. We are finalizing contract details but expect to execute this contract in Feb 2023.

Sales/Marketing Strategy: Our earliest S&M focus is active outreach to relevant research labs and corporations to offer our actuator technology that has superior performance relative to the current actuation solutions being used. Due to the early stage of the company, this strategy will inevitably evolve and grow with guidance and funding.

Business model:

Licensing of our IP surrounding the actuator technology
Custom development and manufacturing for high-value applications
Off-the-shelf standardized high-performance actuators

Competitors:

Ottobock/Utah Bionics – Prosthetic industry leader partnered with Utah WillowWood/Rebocon – Partners bringing a new powered knee to the US Ossur – Prosthetic innovation leader with only powered knee device

Company Profile:

URL: <https://adaract.com>
Industry: HardTech, DeepTech
Employees: 4

Contact:

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Financial Information:

REVENUE*	2023	2024	2025	2026	2027
Prosthetics	0.11	2.31	1.50	4.50	15.00
Other	0.02	0.82	7.30	24.90	98.90
TOTAL	0.13	3.13	8.80	29.40	113.90

*In Millions of USD

Previous Capital: \$270,000
Founders Investment: \$25,000
Monthly burn Rate: \$50,000/month
Pre Money valuation: \$5MM

Management:

Joseph Hill (CEO) – Valedictorian engineer with professional experience in precision manufacturing of medical robotics. Original inventor and primary designer of Adaract’s tech.

Marcus D’Ambrosio (COO) – Valedictorian engineer with small scale startup experience as CTO of an early stage AgTech company. Business experience as founder/owner of Ambrosia Auto Rental and family-founded Omano Tequila.

Advisors:

Barry Hanover (investor) – 30+ years of experience as engineer and C-suite in prosthetics, robotics, med devices, and more

Troy D’Ambrosio (investor) – Executive Director Lassonde Entrepreneurial Institute, very well connected throughout Utah ecosystem, several successful exits as fonder, investor, advisor

Investors: Barry Hanover, Timothy Lipton, Troy D’Ambrosio, Kenneth Hansen, Jeffrey Campsen, Whitney Cluff, James Lewis, Broc Hill

Referred By: Bradley Bertoch, Dan McPhun