



ADAM'S HAND
The First of its Kind

THE WORLD'S FIRST FULLY-ADAPTIVE BIONIC HAND

Giovanni Zappatore | CEO & Founder



BIONIT LABS

TURNING DISABILITIES INTO NEW POSSIBILITIES



BIONIT LABS

TURNING DISABILITIES INTO NEW POSSIBILITIES

«We envision a Future where science and technology can help mankind creating a more equitable and accessible world.»

THE PROBLEM

HOOKS

Cable-operated

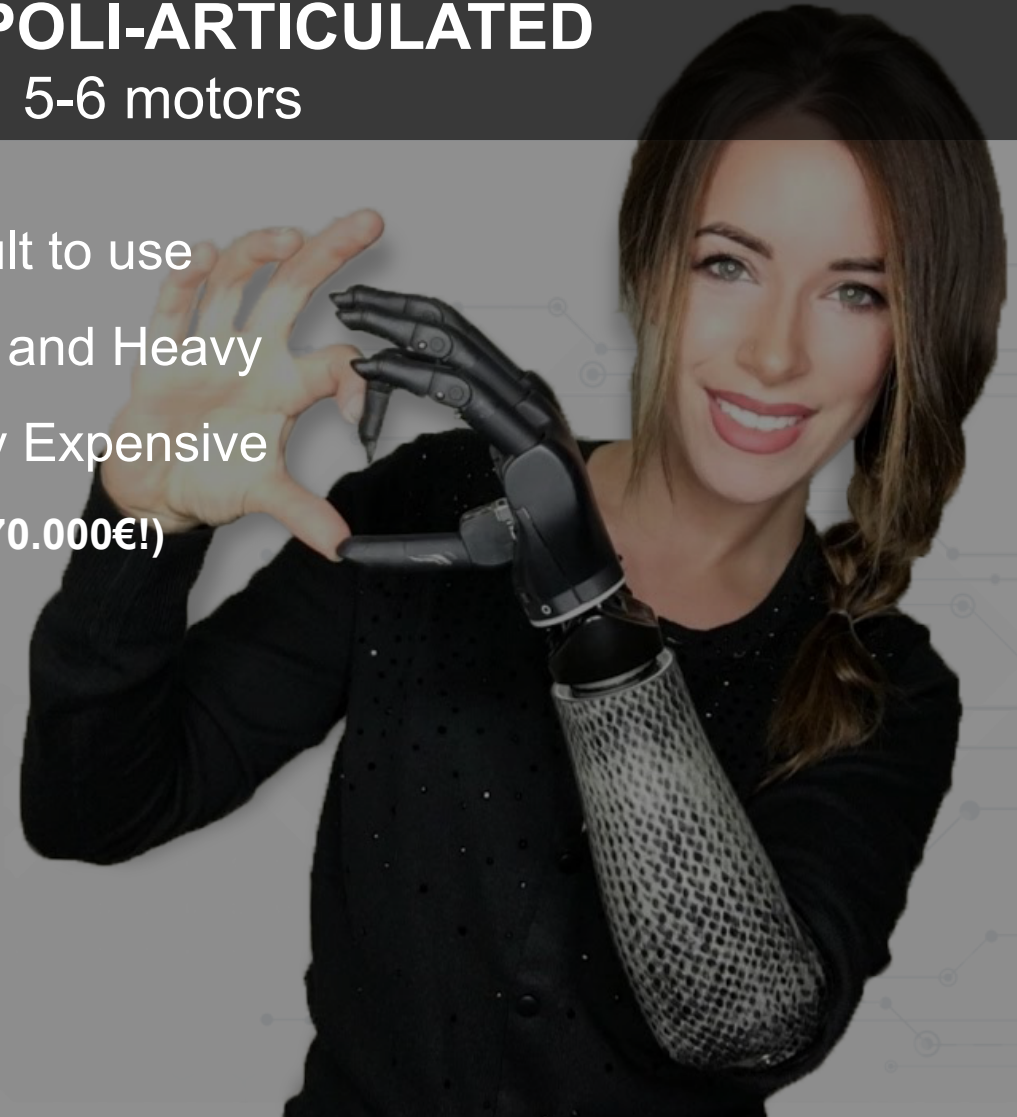
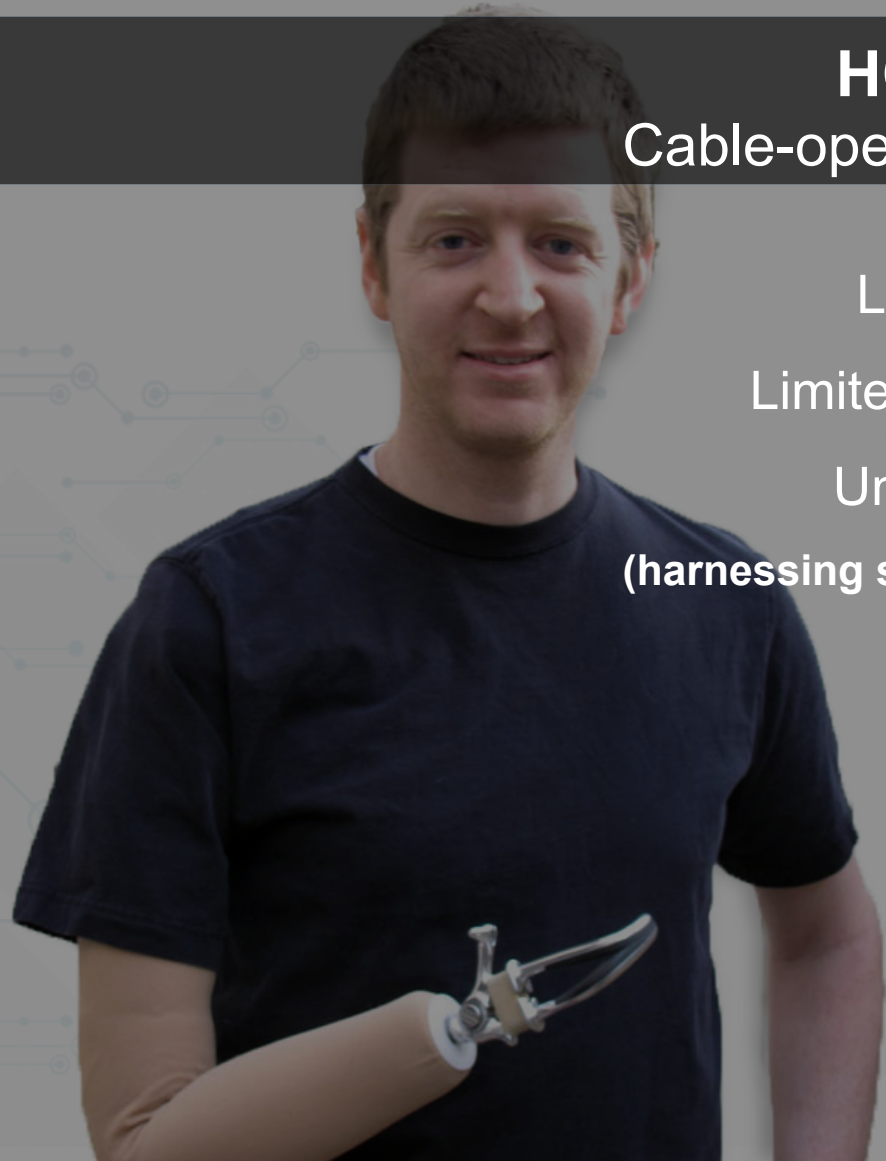
VS

POLI-ARTICULATED

5-6 motors

- Low Dexterity
 - Limited Aesthetics
 - Uncomfortable
- (harnessing system needed!)

- Difficult to use
 - Noisy and Heavy
 - Really Expensive
- (up to 70.000€!)



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HOOKS

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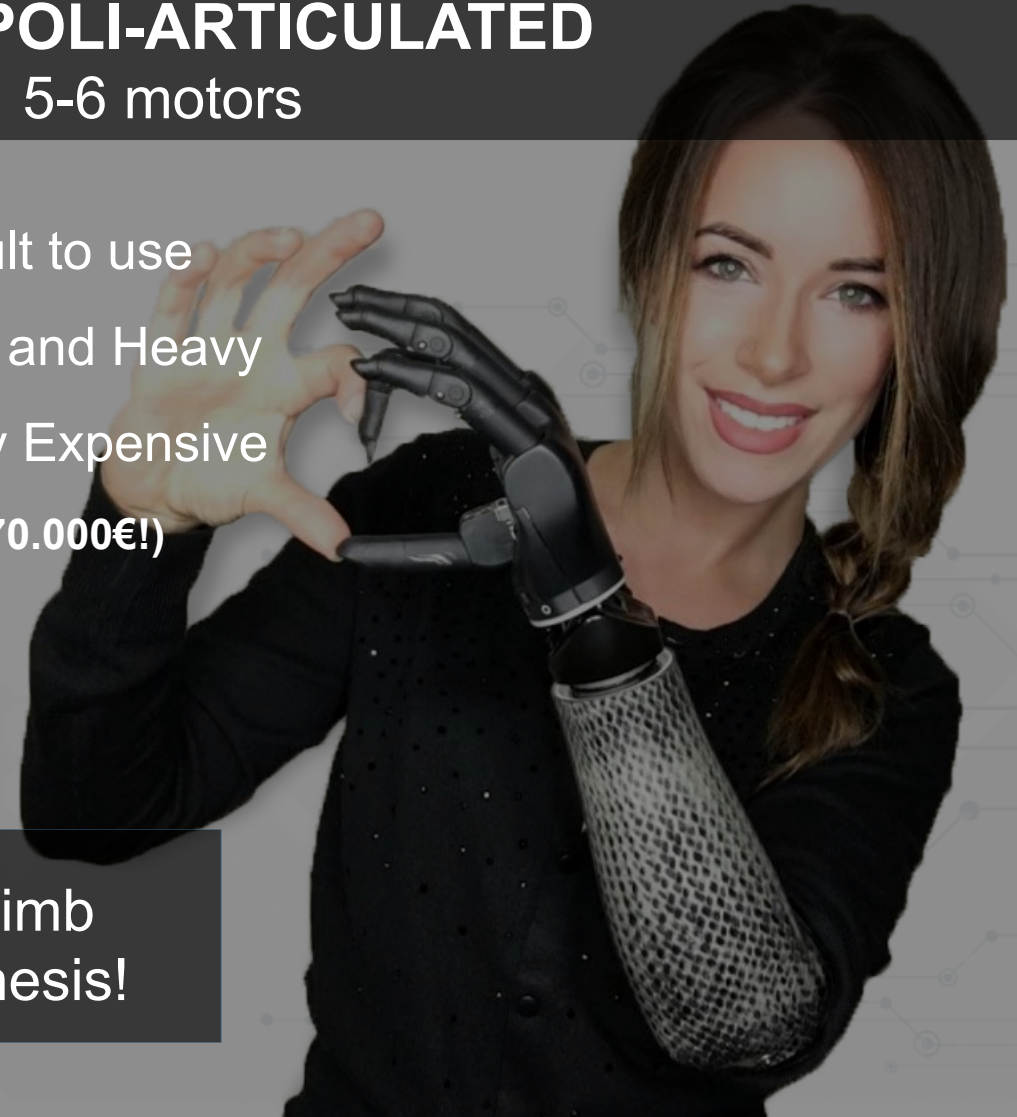
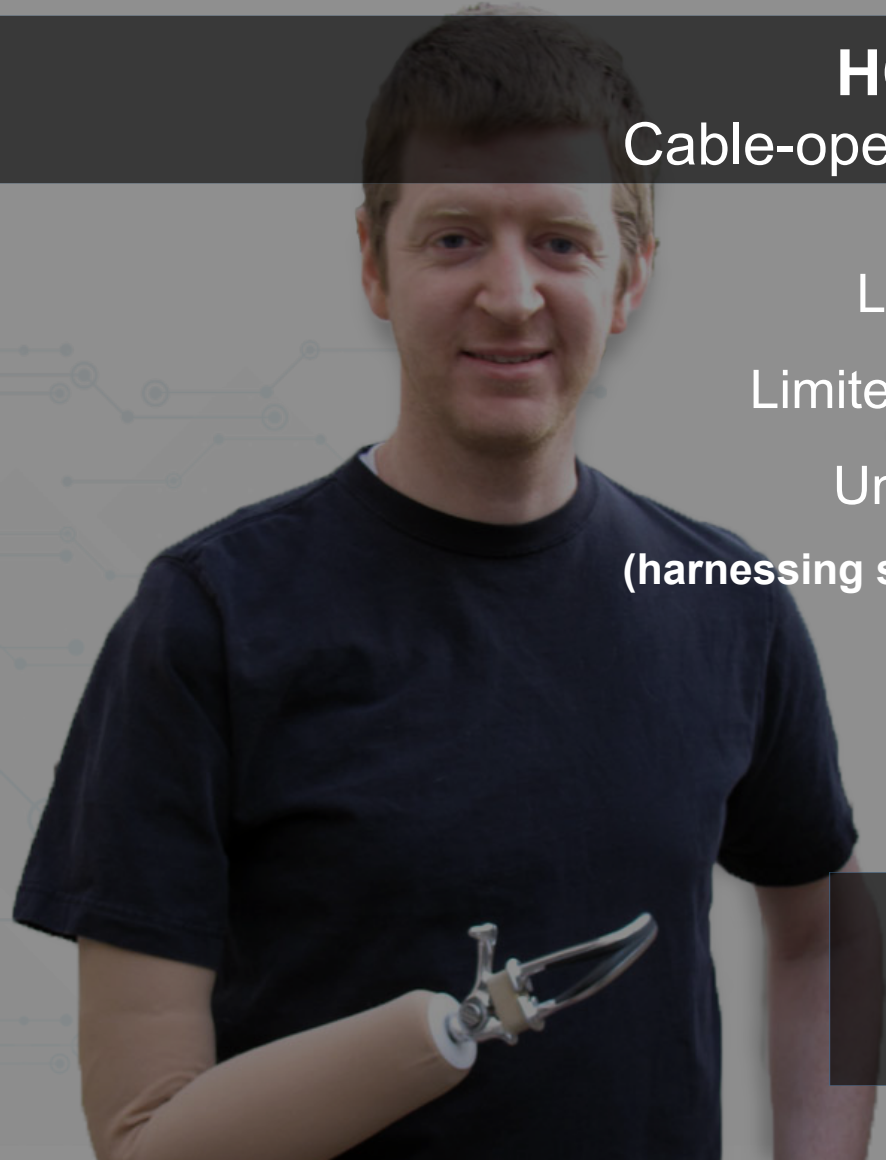
VS

POLI-ARTICULATED

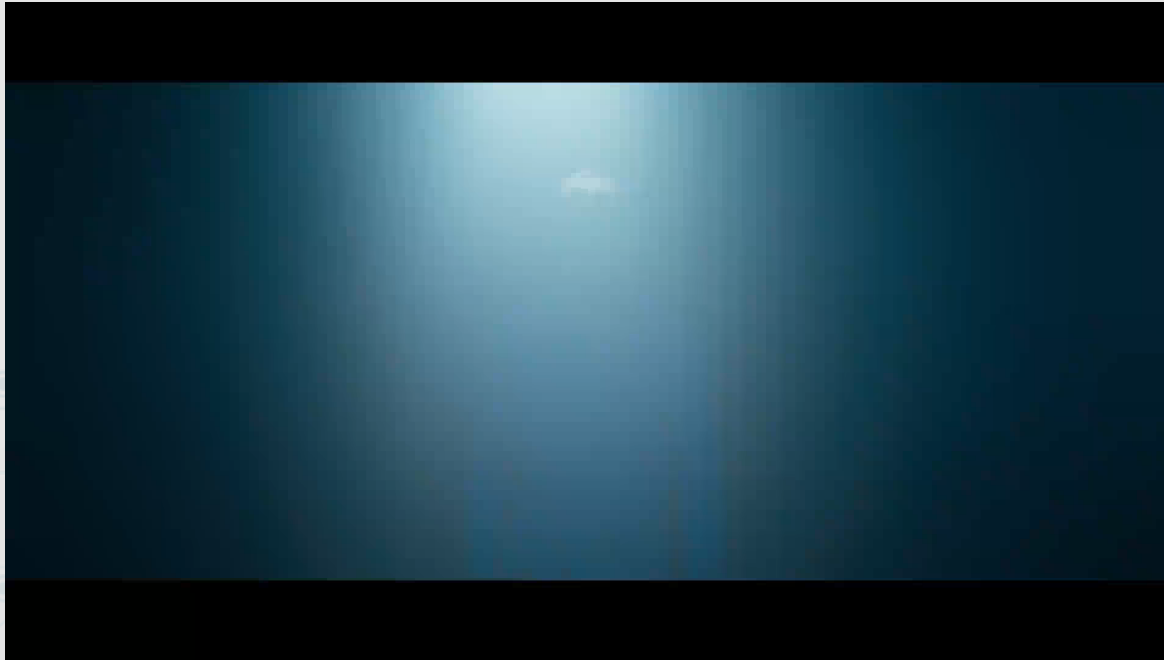
5-6 motors

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ONLY 40% of upper-limb amputees use a prosthesis!



OUR SOLUTION

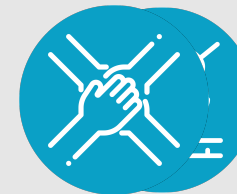


IT AUTOMATICALLY ADAPTS TO
GRASPED OBJECTS' SHAPE AND SIZE:
NO EXTERNAL SENSORS REQUIRED!

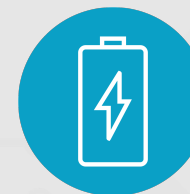
ADVANTAGES OF FINAL USER TECH:



EASY REPAIR:
EASY & AUTOMATIC REPAIR



**HIGH COMPATIBILITY WITH
EXTERNAL SYSTEMS**



**HIGH AUTONOMY
& LOW NOISE**



**LOW COST
(UP TO 1/3 OF COMP.)**











WHAT WE ACHIEVED

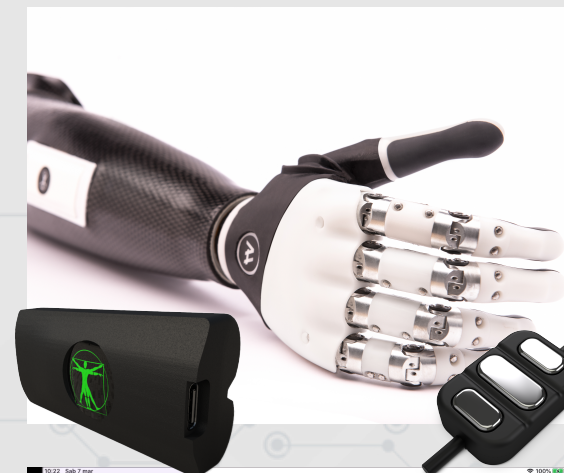
R&D

ALPHA

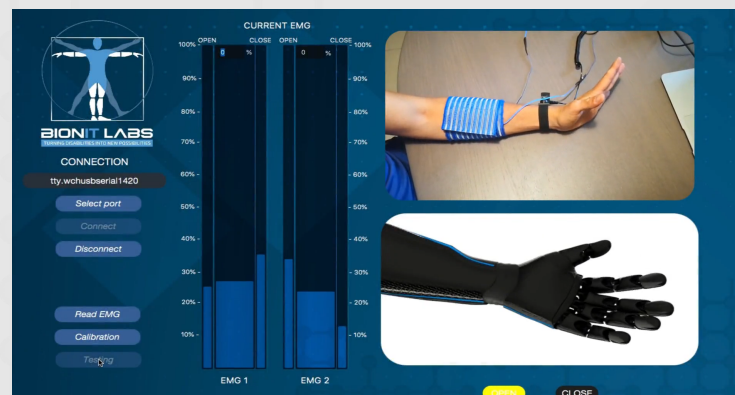
BETA

PRE-SERIES

HARDWARE



SOFTWARE



OUR SOLUTION

We're developing a COMPLETE SOLUTION:

Adam's Hand potentialities will be greatly improved by using our accessories



PRODUCT LINE

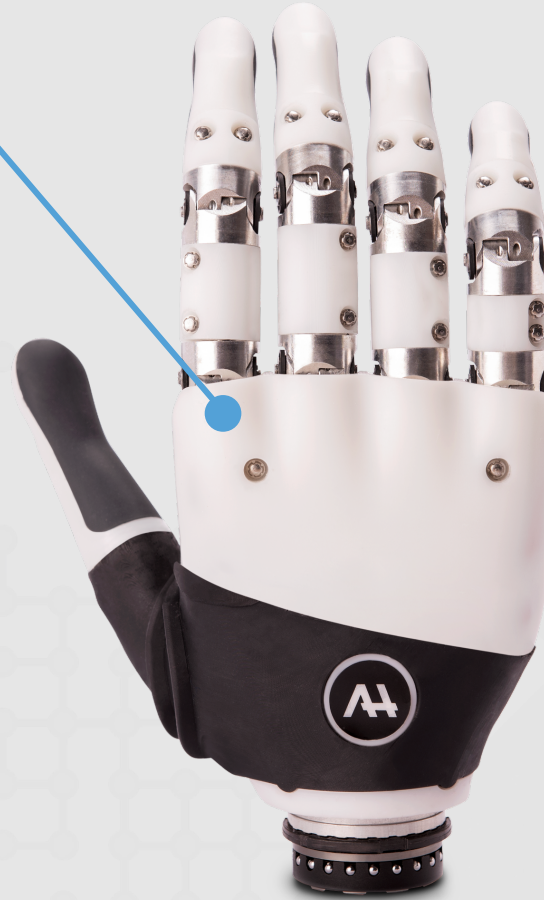
for end-users



MYOLOGIC APP



ADAM'S HAND



WAVE ELECTRODE



THUNDERCELL
BATTERY

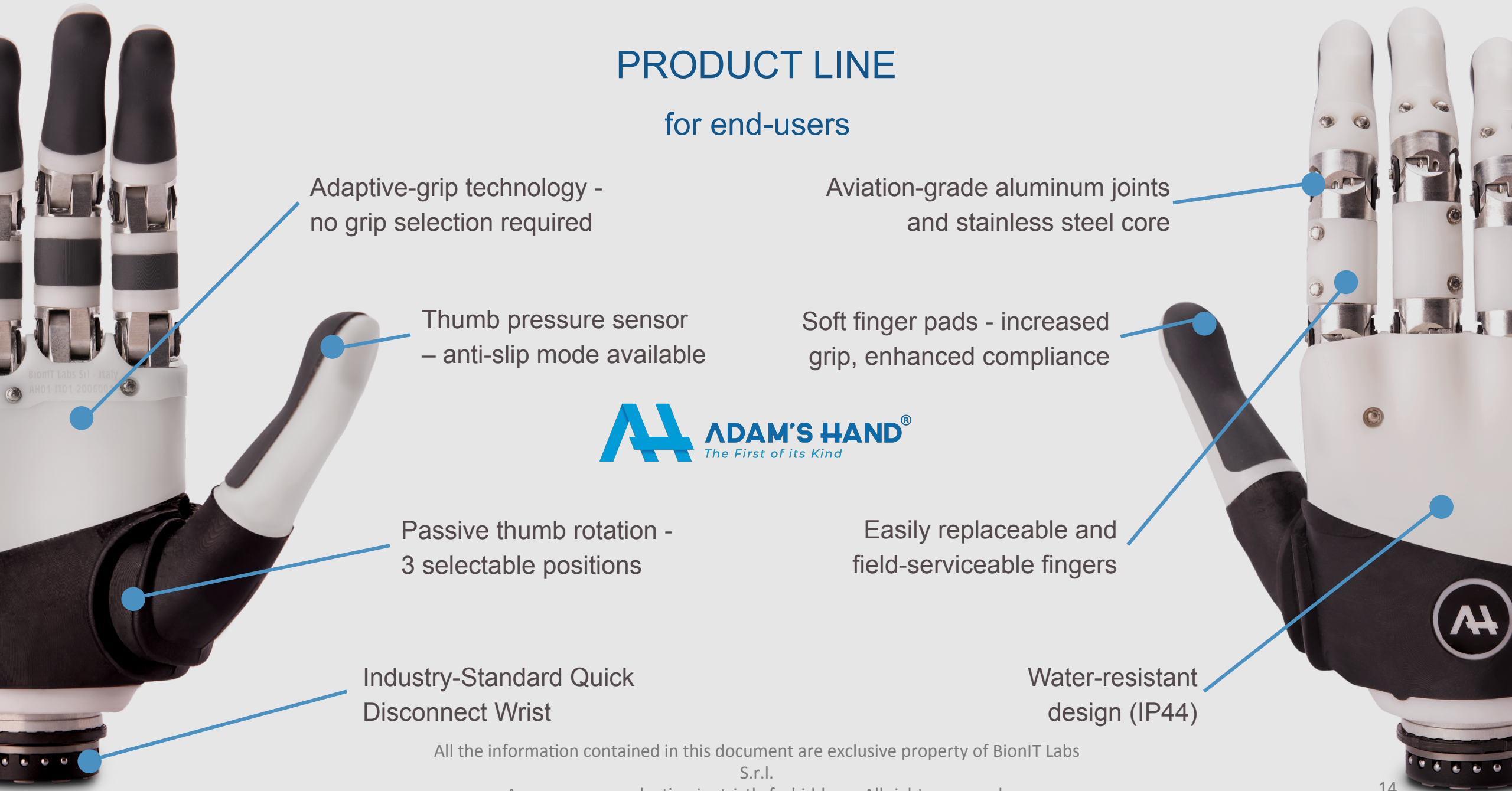


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PRODUCT LINE

for end-users



Adaptive-grip technology -
no grip selection required

Thumb pressure sensor
– anti-slip mode available

Passive thumb rotation -
3 selectable positions

Industry-Standard Quick
Disconnect Wrist

Aviation-grade aluminum joints
and stainless steel core

Soft finger pads - increased
grip, enhanced compliance

Easily replaceable and
field-serviceable fingers

Water-resistant
design (IP44)



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PRODUCT LINE

for end-users



Interchangeable lithium-ion battery:

- ✓ 950 mAh capacity
- ✓ Fast-charge (charging time: 1 hr)
- ✓ USB Type-C connector
- ✓ Compact and waterproof design (IP67)
- ✓ Smart functionalities
- ✓ Haptic feedback
- ✓ 9-axis IMU for rehab activities
- ✓ Remote firmware update via our App

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PRODUCT LINE

for end-users



Surface-EMG analog electrodes:

- ✓ Hypoallergenic medical-grade steel contacts
- ✓ Compact and waterproof design (IP67)
- ✓ 50 and 60 Hz models available
- ✓ Replaceable suspension legs
- ✓ Gain level adjustment
- ✓ High compatibility

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PRODUCT LINE

for CPOs



MYOLOGIC
PRO APP

Fully exploit the Adam's Hand **integrated AI** via  :

- ✓ **Calibrate** the Adam's Hand in few seconds
- ✓ **Help users train** their muscles with our **virtual model**
- ✓ **Set** the device functioning in **every detail**
- ✓ **Download** the devices' manuals
- ✓ **Check** the device's **diagnostic** and the **error log**
- ✓ **Manage** your **patients database**

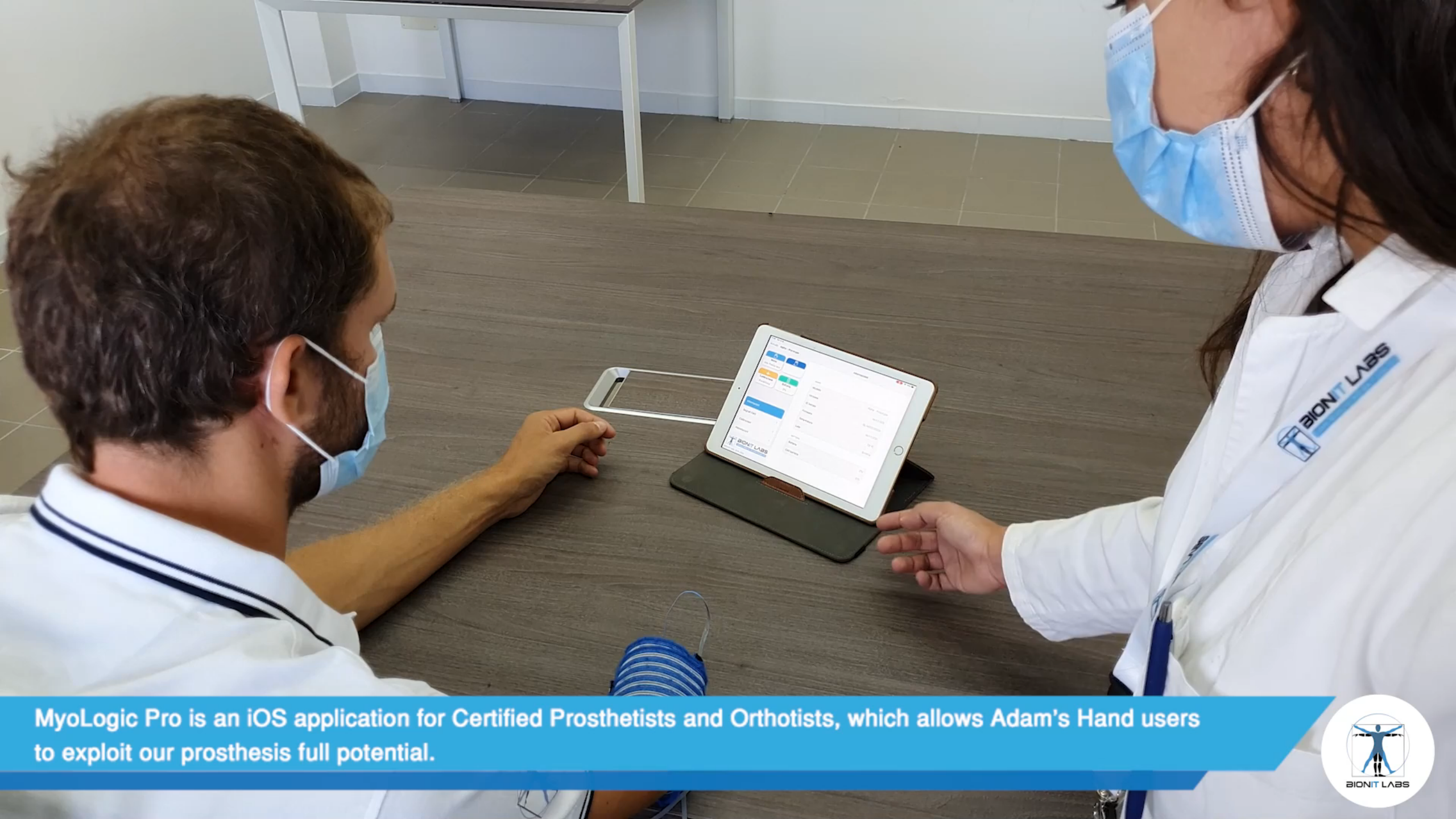
Connect to Myo Unit to test Users' myo signals



Available on the
App Store

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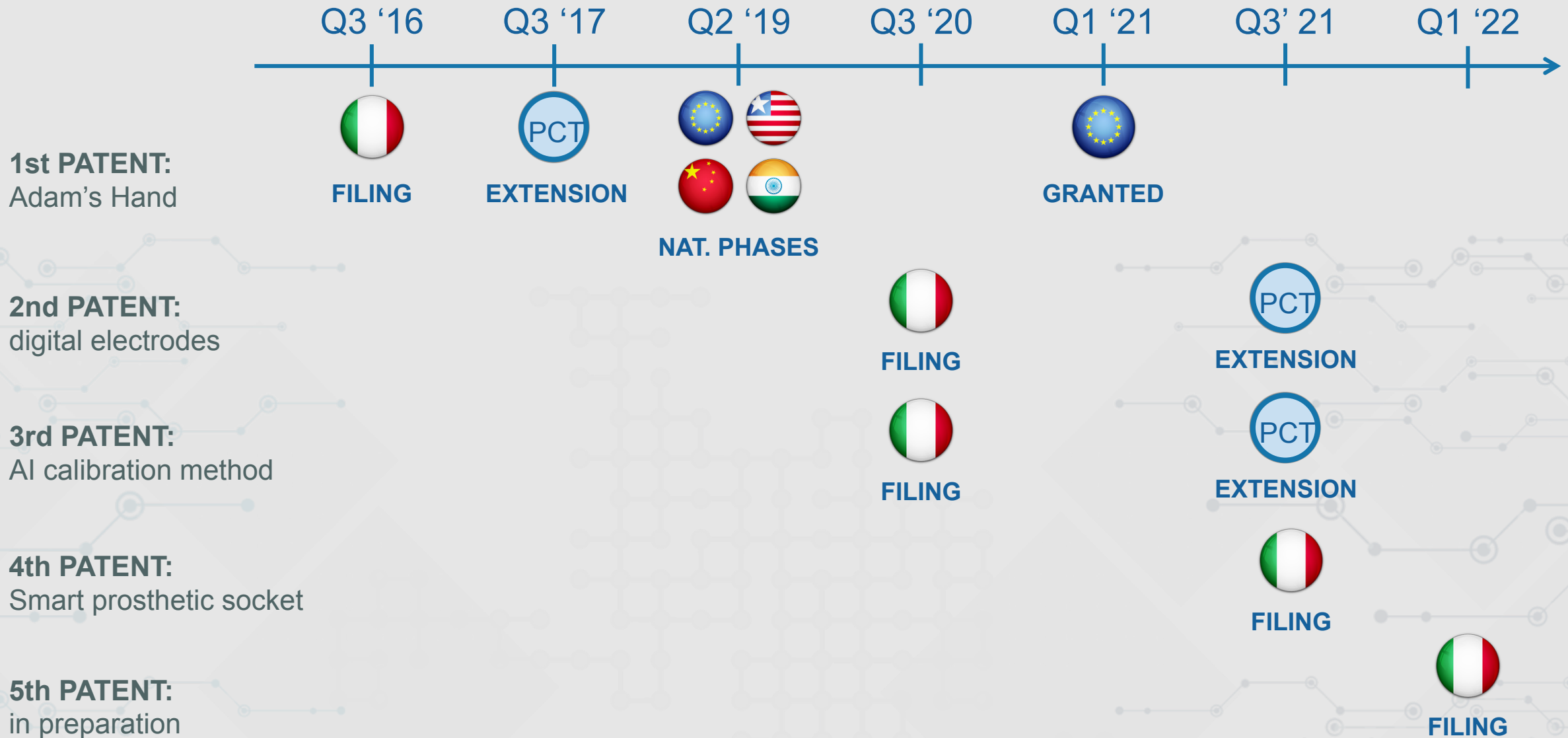
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MyoLogic Pro is an iOS application for Certified Prosthetists and Orthotists, which allows Adam's Hand users to exploit our prosthesis full potential.



PATENTS



PATENTS

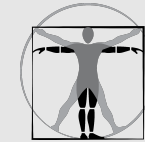


Classes 9, 10 of Nice Agreement

GRANTED:



**PENDING
(GRANTED W/IN Q1 2022):**



BIONIT LABS

TURNING DISABILITIES INTO NEW POSSIBILITIES

Classes 9, 10, 37, 42, 44 of Nice Agreement

GRANTED:



PENDING:



**OTHER PRODUCTS
(THUNDERCELL BATTERY, WAVE
ELECTRODE, MYOLOGIC PRO):**

FILING IN 2022

DISTRIBUTION PIPELINE

Waiting to test our devices:

USA: 2022

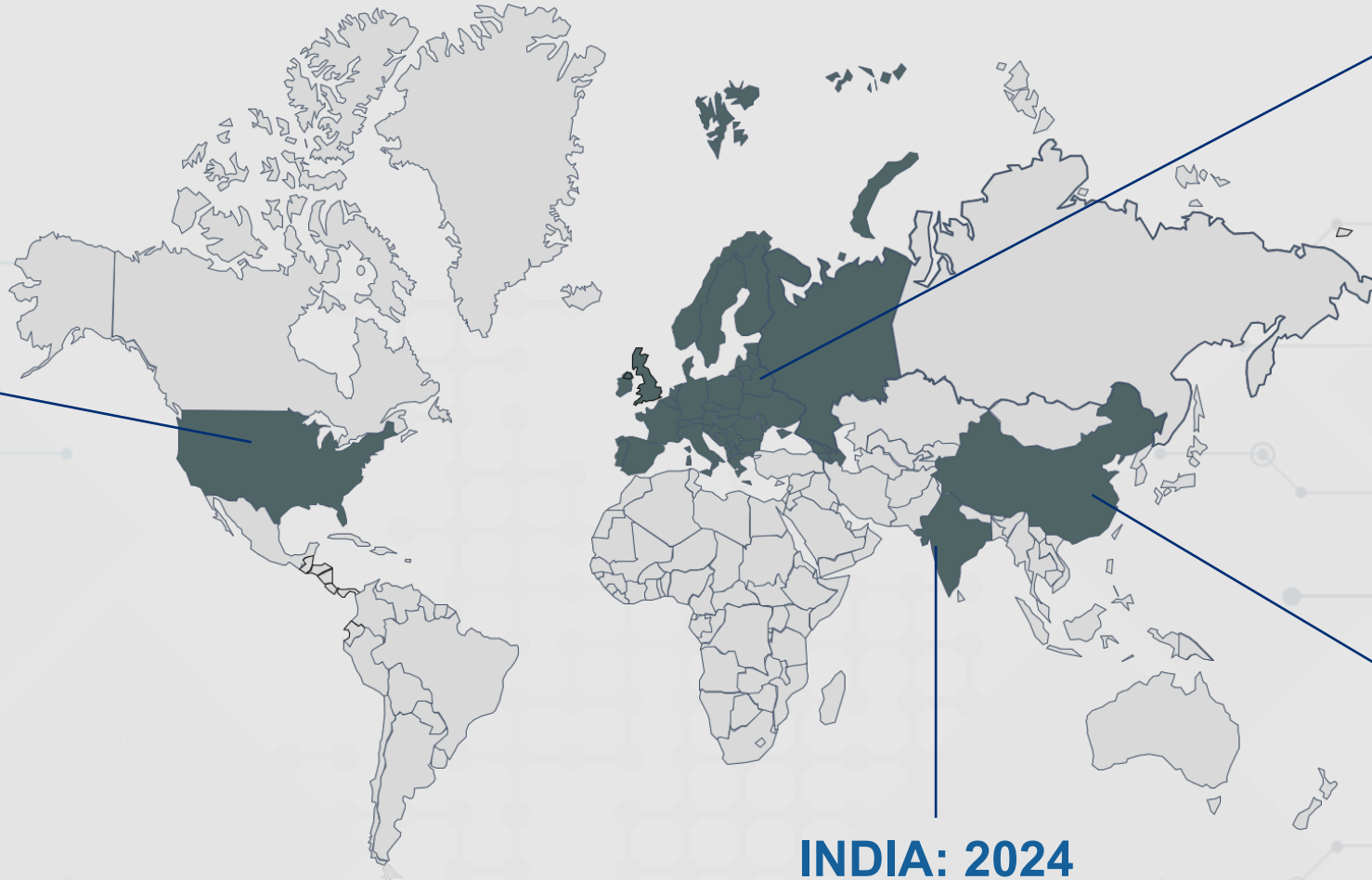
- 3 national distributors

EUROPE: 2022

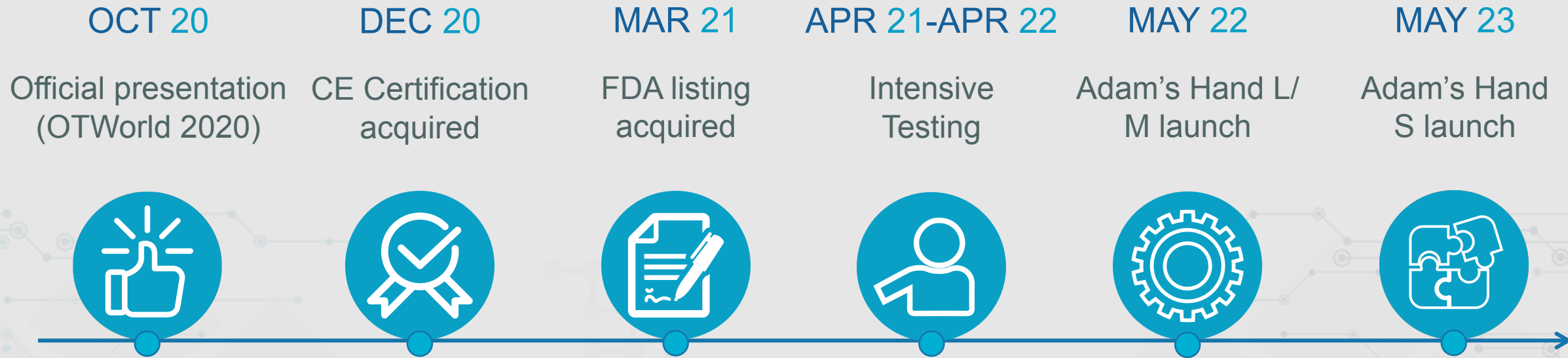
- 10 Italian CPOs
- 3 international distributors
- 8 national distributors

CHINA: 2023

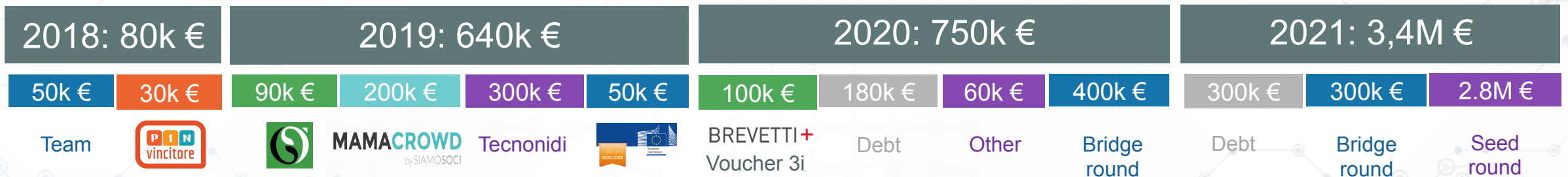
INDIA: 2024



ROADMAP



CAPITAL RAISED UNTIL NOW: ~5M €



OUR PARTNERS

Orthopaedic Clinics



Scientific Partners



UNIVERSITÀ
DEL SALENTO



UNIVERSITÀ DI PISA



Politecnico
di Bari



POLITECNICO
DI TORINO



SAPIENZA
UNIVERSITÀ DI ROMA



FONDAZIONE
GOLINELLI
be intelligent
be there

Legal & Financial Partners



STEFANO
NARDUCCI
avvocato



BizPlace
Early Stage Capital Advisors



THE
QUBE



Eilat Tech Center

Industrial Partners



Roboze



Altair



AUTODESK



DASSAULT
SYSTEMES

«Da Vinci IoT» Network



telsat



nextome



SENSOR ID
Proximity Smart Solutions



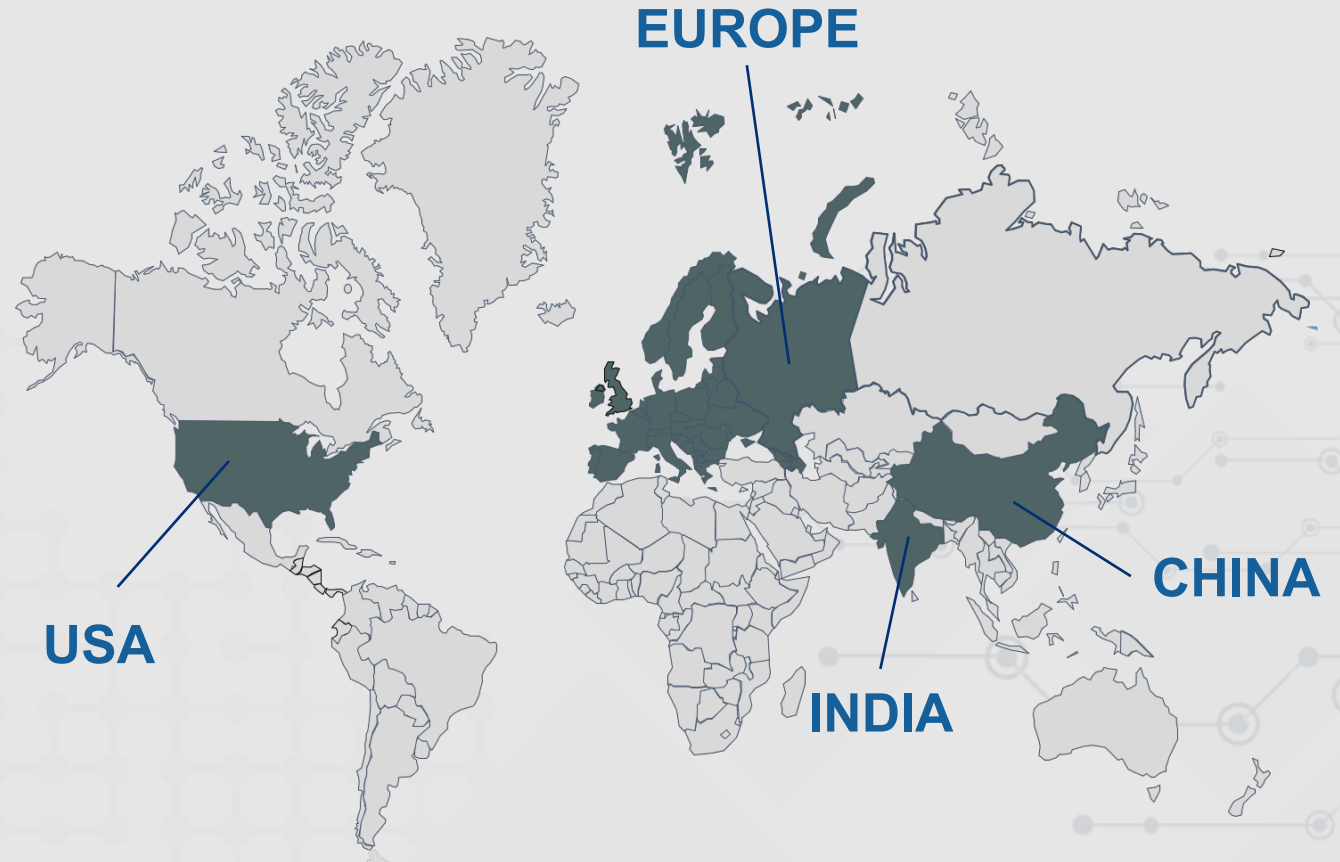
MEDINET

WHAT WE'RE LOOKING FOR

STRATEGIC
PARTNERS

DOMESTIC
DISTRIBUTORS

PILOT
TESTING



A NEW MARKET: HANDLING ROBOTICS

24,6B \$ - 11,89% CAGR

OUR KEY VALUES, MODULARITY & ADAPTIVITY
are particularly relevant for:

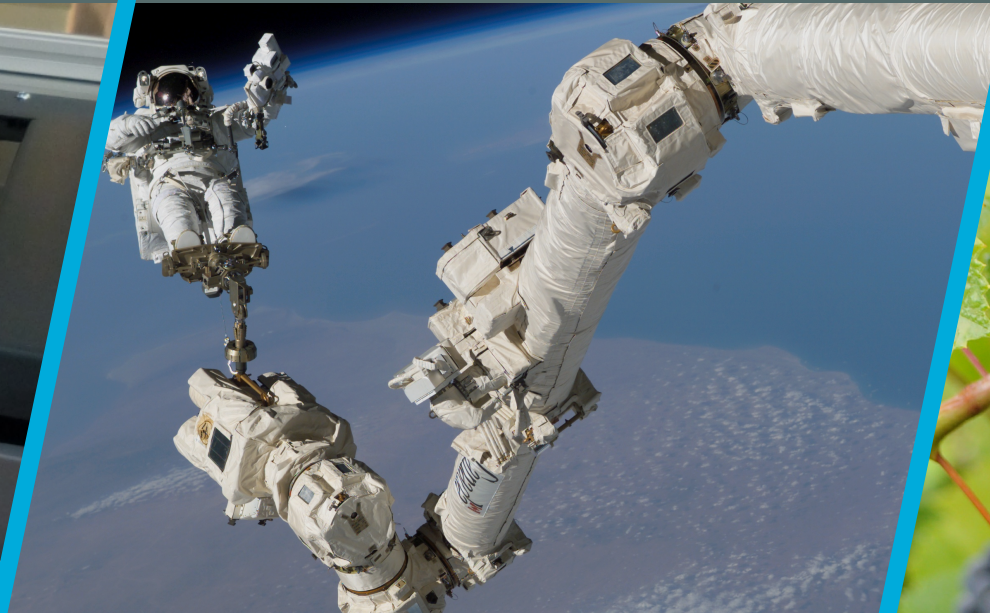
BIN PICKING

7,2B \$ - 9,2% CAGR



SPACE ROBOTICS

3,0B \$ - 8,64% CAGR



ROBOTIC HARVESTING

5,5B \$ - 21,1% CAGR



www.adamshand.it



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Do you want more info? Contact us, we'll be happy to tell you

more!

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