**redefine limits.**

curebionics.com


Welcome

—

# Catalog 2025.V1.0

# Cure Bionics

Cure Bionics is a Tunisian company and the first and only specialized and leading company in the Africa and Middle East region in developing and manufacturing smart prosthetic limbs, certified according to European conformity standards (CE).

The company provides advanced solutions for upper and lower limb prosthetics using 3D printing and 3D scanning technologies, ensuring high quality and fast service.

Cure Bionics offers functional, cosmetic, and specialized assistive prosthetics, helping users improve their daily lives and regain independence. With its significant impact, the company aims to deliver innovative, comfortable, and adaptable prosthetic solutions, making it the top choice for prosthetics in the region.

Cure Bionics

"We fully own the technology we use and strive to make a difference in the region through innovation and independence in developing advanced solutions that help people regain their lives with confidence and comfort."

**Mohamed Dhaouafi , CEO & Founder**

# Upper Limb Products

# Hannibal Bionic Arm


BOA

# Hannibal Bionic Hand

We offer a high-performance bionic (motorized) hand designed for both adults and children, featuring high-end technologies.

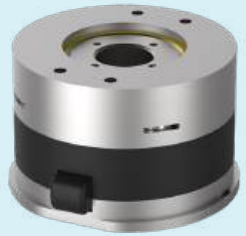
## Hannibal Bionic Hand (Medium and Large sizes)

- AI-powered EMG muscle control
- Locking Mode
- Mode selection
- Integrated haptic feedback
- Built-in NFC tag
- Weighs approximately 600 grams
- Long Battery Life (Between 500 to 4000 operation cycles)
- European Compliance (CE Mark)
- Customizable skin color

# Hannibal Bionic Wrist

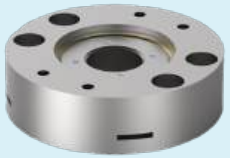
We offer 3 wrist options to suit the needs of upper limb prosthetic users.

## W-RD



Rotating & detachable wrist: Provides flexibility and ease of movement.

## W-RF



Rotating but non-detachable wrist: Ensures stability and reliability for daily use.

## W-E

Non-rotating, & non-detachable wrist: Guarantees a secure and permanent connection

# Hannibal Bionic Socket

The Hannibal Bionic Socket offers a lightweight, adjustable fit that adapts to limb changes over time. Its modular, ergonomic design ensures comfort, compatibility, and easy remote or in-person fitting.


Designed to seamlessly integrate with bionic hands, providing enhanced functionality, high precision, and user comfort:

- Continuously adjustable fit
- Magnetic charging
- Lightweight (300 grams)
- European compliance
- Customizable color

# Angel Cosmetic Arm


BOA

# Angel Cosmetic Hand

The Angel Cosmetic Arm is a lightweight, stylish prosthetic designed for everyday use. It offers a natural look, comfortable fit, and simple wearability—ideal for users seeking an aesthetic, non-functional solution.

### Angel Cosmetic Hand
**(Short version)**

- Realistic silicone finish
- Bendable fingers
- Lightweight and biocompatible
- Custom design options
- Comfortable and natural look

### Angel Cosmetic Hand
**(Long version)**

- Realistic silicone finish
- Bendable fingers
- Lightweight and biocompatible
- Custom design options
- Comfortable and natural look

# Angel Cosmetic wrist

We offer 1 wrist option to suit the needs of the Angel cosmetic arm users.

## W-FE

Rotating and detachable wrist offering optimal adaptability and convenience.

# Angel Cosmetic Socket

The Angel Cosmetic Socket combines comfort and aesthetics with a lightweight, custom-fit design. It offers a seamless, natural look for users who prioritize appearance in a non-functional prosthetic.


Crafted to deliver a natural appearance, offering a secure fit with realistic and customizable options.

# Glow Silicone Parts

# Glow Silicone Parts

**(Custom-made)**

Glow Silicone Parts are soft, durable, and skin-safe components designed to enhance both comfort and realism. Their flexible, lifelike texture provides a natural feel and appearance for prosthetic users.

Partial Silicone Foot

Partial Silicone Hand

Silicone Fingers

# Lower Limb Products

# Hasdrubal Prosthetic Leg

# Hasdrubal Prosthetic Leg

The **Hasdrubal Prosthetic Leg** comes in three categories: hip-level, above-knee, and below-knee. Designed for both **adults** and **children**, it offers comfort, adaptability, and mobility for various limb differences.

Below-Knee Prosthetic

Above-Knee Prosthetic

Hip-Knee Prosthetic

# Hasdrubal Sockets

# Hasdrubal Socket options

The Hasdrubal Socket is a lightweight, 3D-printed solution crafted from flexible, skin-friendly materials to reduce sweat and maximize comfort. Developed in Tunisia and CE-certified, the Hasdrubal Socket offers a customizable, breathable fit for enhanced daily wearability.

### Hasdrubal Socket
**GEN 1**

Fixed Socket: Provides a secure fit and strong support without the need for adjustments.

### Hasdrubal Socket
**GEN 2**

Adjustable Socket: Offers greater flexibility, allowing size modifications for optimal comfort and better adaptation to physical changes.

# Foot joints

# Carbon Fiber Foot Joint

## (Long version)

- **Product Type:** Mechanical
- **Age Group:** Adults and Children
- **Maximum Weight Capacity:** 125 Kg
- **Available sizes:** 22cm-27cm
- **Activity Level:** 1 to 6

**PS: It comes with the foot cover**

# Carbon Fiber Foot Joint

## (Short version)

- **Product Type:** Mechanical
- **Age Group:** Adults and Children
- **Maximum Weight Capacity:** 125 Kg
- **Available sizes:** 22cm-27cm
- **Activity Level:** 1 to 6

**PS: It comes with the foot cover**

# Double Axis Foot Joint

- **Product Type:** Mechanical
- **Age Group:** Adults and Children
- **Maximum Weight Capacity:** SS : 100g /Ti: 125g
- **Available sizes:** 22cm-30cm
- **Activity Level:** 1 to 6
- **Material:** Stainless Steel 630 / Titanium GR5
- **Weight of the foot joint:** SS : 320g /Ti: 200g

# Sach Foot Joint

- **Product Type:** Mechanical
- **Age Group:** Adults and Children
- **Maximum Weight Capacity:** 120g
- **Available sizes:** 12cm-30cm

# Knee joints

# Hydraulic Knee

- **Product Type:** Hydraulic
- **Age Group:** Adults
- **Maximum Weight Capacity:** 120 kg
- **Knee Flexion Range:** 140 degrees
- **Weight of the knee joint:** 798 g

# 4-Axis Pneumatic Knee

- **Product Type:** Pneumatic
- **Age Group:** Adults
- **Maximum Weight Capacity:** 120 kg
- **Knee Flexion Range:** 120 degrees

# 4-Bar Linkage Knee Joint

- **Product Type:** Mechanical
- **Age Group:** Adults
- **Maximum Weight Capacity:** 120 kg
- **Knee Flexion Range:** 120 degrees
- **Weight of the knee joint:** 690 g

# Single Axis Knee Joint

- **Product Type:** Mechanical
- **Age Group:** Adults
- **Maximum Weight Capacity:** 100 kg
- **Material:** Stainless Steel
- **Knee Flexion Range:** 155 degrees
- **Weight of the knee joint:** 529 g

# Children Four Bar Knee Joint

- **Product Type:** Pneumatic
- **Age Group:** Children
- **Maximum Weight Capacity:** 45 kg
- **Material:** Aluminum Alloy
- **Knee Flexion Range:** 165 degrees
- **Weight of the knee joint:** 300 g

# Hip joints

# Prosthetic Hip Joint

- **Product Type:** Mechanical
- **Age Group:** Adult
- **Material:** Stainless Steel 630 / Aluminum 7075
- **Maximum Weight Capacity:** SS : 100 Kg /Ti: 125 Kg
- **Knee Flexion Range:** 120 degrees
- **Weight of the knee joint:** SS : 1030g /Ti: 800g

# Pediatrics Four-Bar Knee Joint

- **Product Type:** Mechanical
- **Age Group:** Children
- **Material:** Aluminum alloy
- **Maximum Weight Capacity:** 45 Kg
- **Knee Flexion Range:** 165 degrees
- **Weight of the knee joint:** 372g

# Assistive Tools & Machines

# Rehab Solutions

We offer an **innovative rehabilitation ecosystem solution** with a **smart Bluetooth devices** that links **muscle activity** to the **MyoLink app** and the **MyoController** for **interactive training** and **enhanced control**.

**Features:**

•**Reliable Bluetooth Connectivity** for seamless wireless use.
•**EMG Signal Processing** for precise muscle command execution.
•**Compact & Portable** for home or on-the-go use.
•**Real-Time Feedback** to improve accuracy and control.
•**User-Friendly Interface** for a smooth experience.

# MyoLink Solution

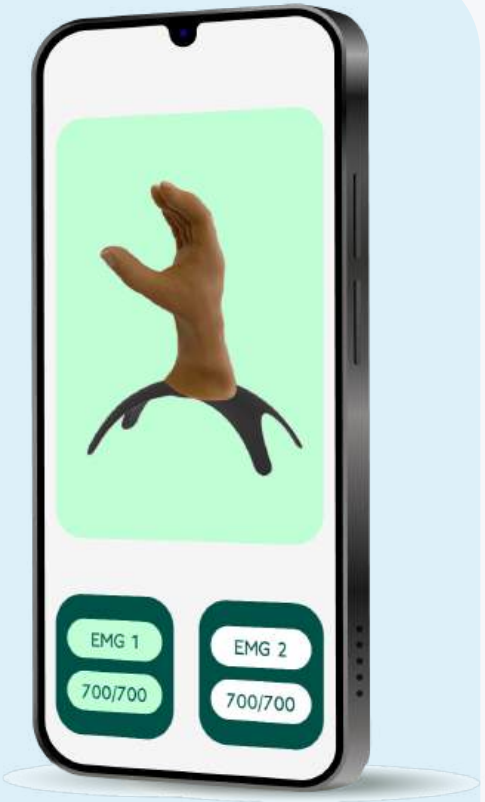
Cure Bionics' MyoLink solution supports specialists in muscle assessment, prosthetic adaptation, and interactive rehabilitation. The MyoLink device and mobile app enable real-time EMG signal visualization, personalized prosthetic control, and gamified training—enhancing clinical efficiency, user engagement, and data-driven decision-making.

**MyoLink Device**

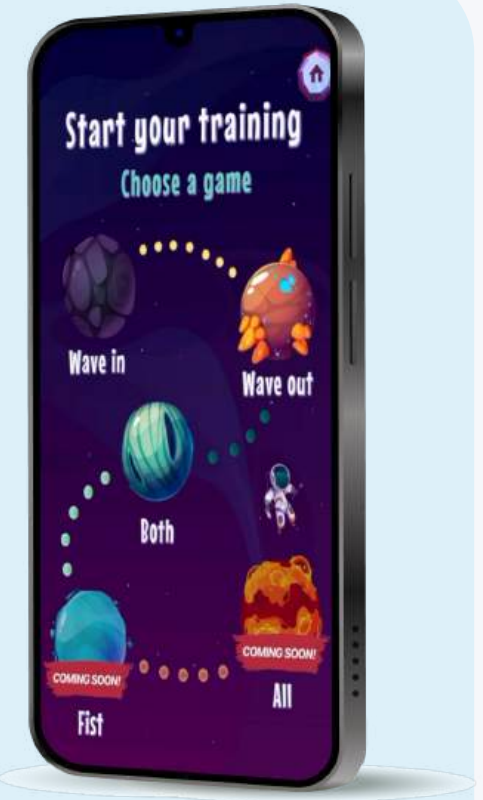
**MyoLink Mobile App**

The MyoLink solution offers multiple functions for specialists in patient care and for patients at home


EMG signals visualization




Control simulation




Interactive games

# Diagnosis & Testing tools

Cure Bionics' **ecosystem tools** support specialists in **muscle assessment, prosthetic adaptation, and interactive rehabilitation**. **MyoFinder** and **MyoController** enable **precise signal analysis, personalized settings, and smart rehabilitation**, enhancing **efficiency, treatment outcomes, and data-driven decision-making**.

### MyoFinder

Ability to perform precise and real-time muscle activity scanning.

### MyoController

Ability to control the prosthetic hand without the socket.

# Socket Manufacturing Service

# How does it work?

We use 3D scanning, digital design, and 3D printing to create precise, comfortable lower-limb sockets. The limb is scanned, the socket is digitally designed, and printed using lightweight, durable materials.

Send us the 3D scan of the patient

We manufacture the socket using 3D printing

We assemble then deliver it to your center

# 3D scanning

# For Upper limb

3D scanning capability anytime, anywhere, ensuring maximum comfort and a customized fit for prosthetic sockets.
This process relies on high-precision technology and is:

- Fast
- Accurate
- Portable
- Decentralized

# 3D scanning

# For Lower limb

3D scanning capability anytime, anywhere, ensuring maximum comfort and a customized fit for prosthetic sockets.
This process relies on high-precision technology and is:

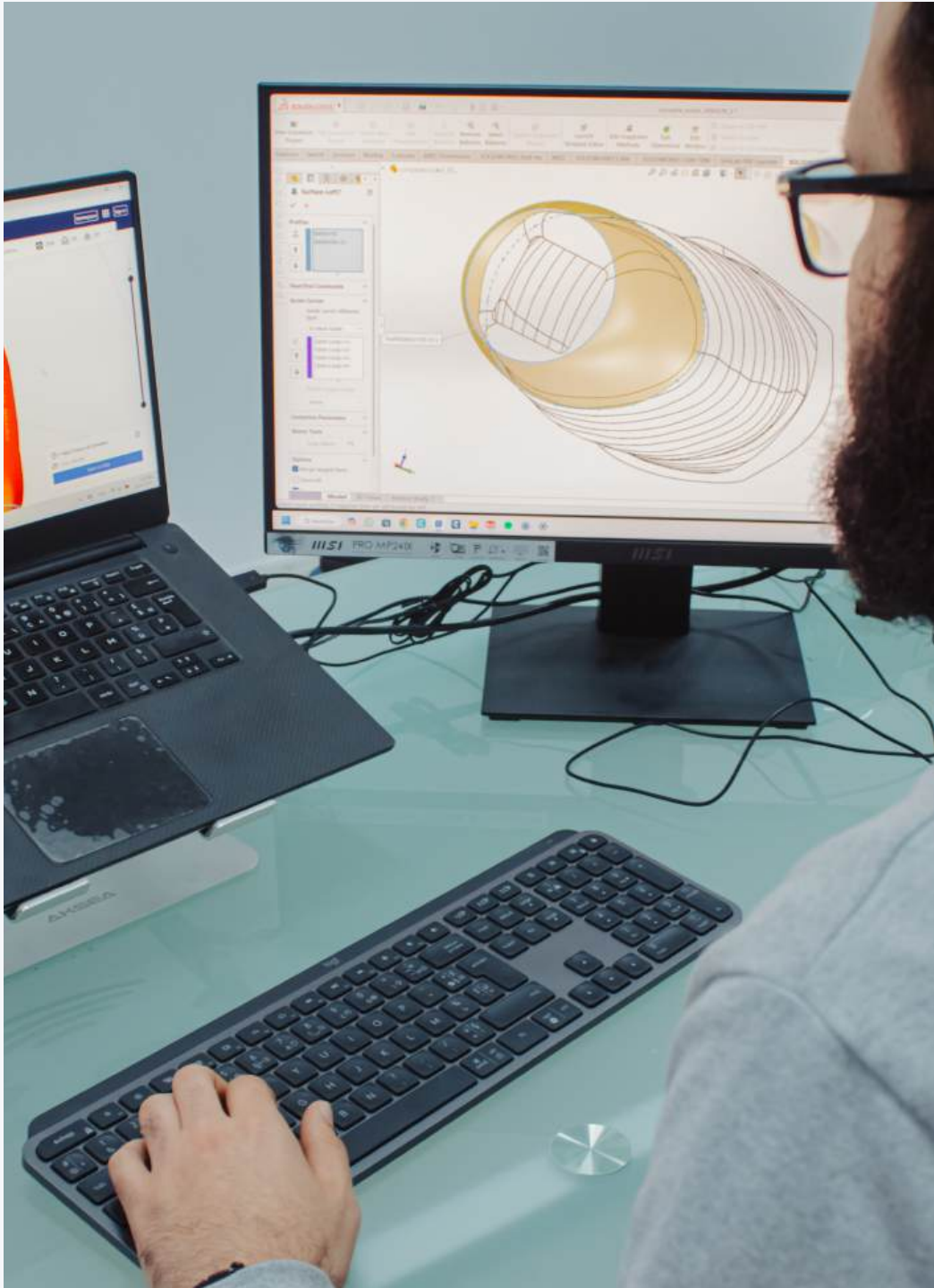
- Fast
- Accurate
- Portable
- Decentralized

# Computer Assisted Design of the Socket

Computer-Aided Design (CAD) allows us to digitally model prosthetic sockets with unmatched precision and customization.
Used alongside 3D scanning, it ensures that each socket and limb structure fits the user's anatomy perfectly.

This process is:

- **Fast** – Speeds up the design-to-manufacture cycle
- **Accurate** – Enables millimeter-level precision
- **Customizable** – Easily adapted for different needs and lifestyles
- **Collaborative** – Can be reviewed and adjusted remotely in a decentralized way



# Cloud 3D-printing

3D printing offers high quality at a low cost, allowing us to precisely customize each socket to perfectly fit the patient's needs. It features:

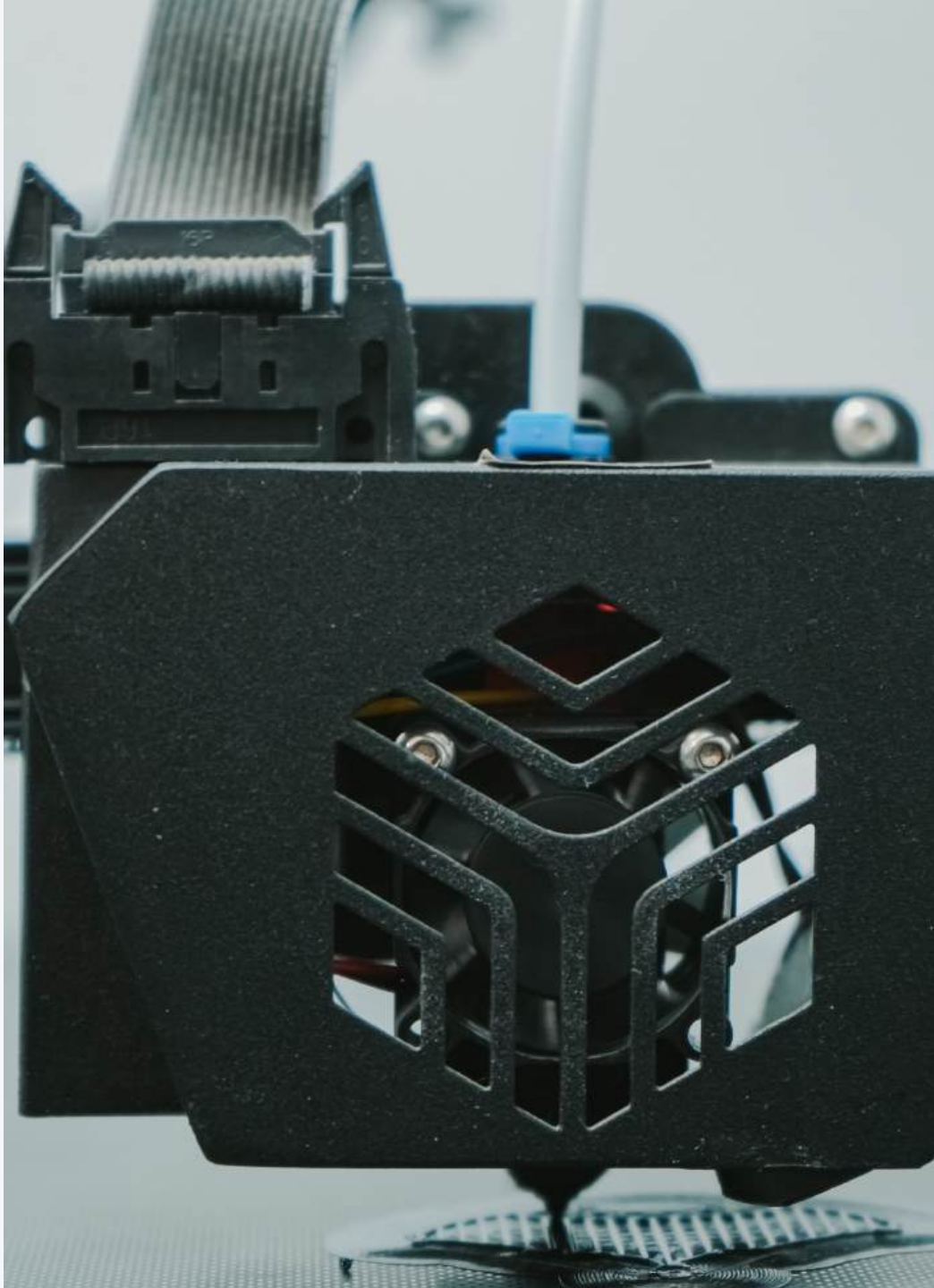
•**High accuracy** to ensure a perfect fit and maximum comfort.

•**Low cost** compared to traditional manufacturing.

•**Full customization** according to the needs of each patient.

•**Fast** and **efficient** production to reduce waiting time.

•Use of **biocompatible materials** to ensure safety and comfort.



# Psychological assistance

# Psychological assistance

We offer online and in-center psychological support as part of our services to help our patients overcome any challenges or trauma, through:

•**Personalized individual sessions** to monitor each patient's psychological well-being.

•**Specialized consultations** provided by experts in psychological rehabilitation.

•**Interactive** psychological **exercises** to enhance coping skills and self-confidence.

•**Ongoing support** to ensure a comfortable and smooth experience during the rehabilitation process.

# Quality & Regulatory Certifications

# European conformity

Our company has obtained the **CE** for medical devices, which confirms our commitment to adhering to European standards for quality and user safety.

Obelis GROUP

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Bd Brand Whitlock 30
B-1200 Brussels Belgium

Registered Adresss
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# CERTIFICATE OF MDR NOTIFICATION

**Reference No.:** MG 0568-2024 **Date:** 21/10/2024

**Order No.:** EU AM 0362-2024

This is to certify that, according to the Regulation (EU) 2017/745 we, here at Obelis s.a., have performed all notification duties and responsibilities as the European Authorized Representative (EC REP) of:

**Name:** Cure Bionics **Address:** Rue Abderrahman Ibn Abi Bakr, 231
4023, Sousse
Tunisia

AS STIPULATED AND DEMANDED BY THE AFOREMENTIONED REGULATION:

The manufacturer declares that the Class I device(s) comply(ies) with the Regulation including all general safety and performance requirements.
The manufacturer has provided Obelis s.a. with all the appropriate declarations as per the Regulation (EU) 2017/745 Article 52 requirements, including the EC Declaratoin of Conformity (according to Annex IV), confirming that their Class I medical device(s), as stipulated here below, is/are fulfilling the applicable requirements of the Regulation (EU) 2017/745.
The notification of the following medical device(s) has been completed by Obelis s.a. (EC REP) in compliance with the Regulation (EU) 2017/745 on the **14/10/2024**

MEDICAL DEVICE(S): PLEASE SEE ANNEX A - LIST OF DEVICES (1 Device 1 Page)

As of the **15/10/2024** , and provided that the manufacturer will continue complying with the hereabove mentioned requirements*, he therefore:
- Is required to affix the CE marking on this(ese) device(s);
- May place this(ese) device(s) on the European Union and EEA territory.

Obelis s.a. - O.E.A.R.C

*Mr. G. Elkayam CEO*
*Obelis sa*

Obelis European Authorized Representative Center is member of the European Association of Authorized Representatives (E.A.A.R.).
Obelis s.a. is ISO 9001:2015 and ISO 13485:2016 certified.

*This certificate will become void automatically upon termination of the EAR agreement or removal of the products from EARMandate

# Long-term strategic Partnership

# Long term strategic partnership

Our goal is to be a strategic partner in the prosthetics and orthotics sector in the partner country, by offering innovative solutions, technical support, and specialized training to enhance the quality of care and improve the lives of users.

Localizing treatment in the partner country.

Exclusive, competitive prices.

High-quality products with international standards.

Training local technicians

Offering fast maintenance

Supporting the creation of a 4.0 lab for innovation.

We are elevating the prosthetics and orthotics (O&P) sector from a traditional, complex, and costly system that heavily relies on machines.

To a connected digital hub that is more efficient and cost-effective, by establishing advanced local centers with dedicated spaces and modern technologies.

# Supporters & Partners

# Supporting organization

Our company has received support from global and local partners in all fields, believing in the technology we offer that has both economic and social impact.

### Partnerships

### Technical assistance

### Accelerators

### Media coverage

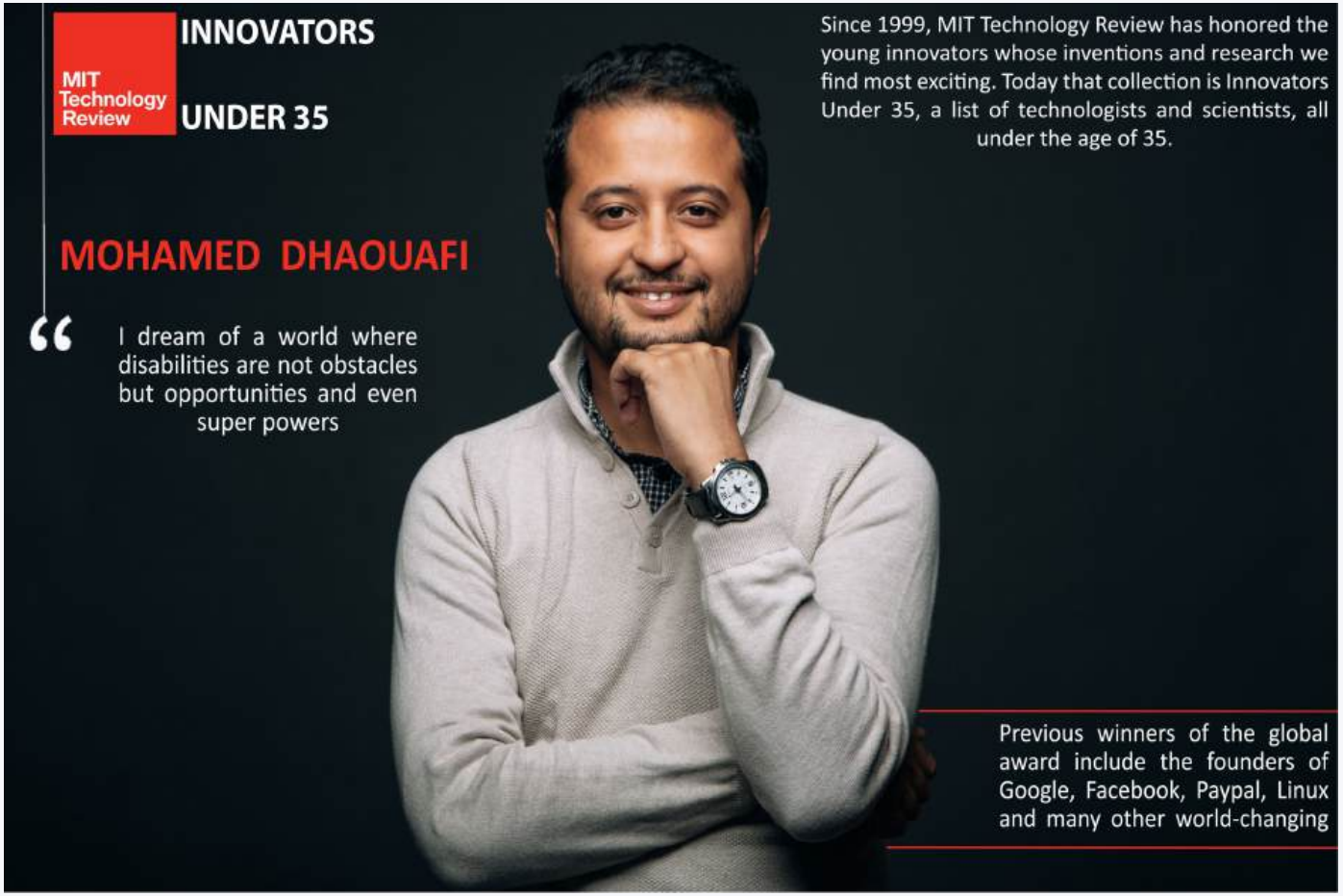
# Cure Bionics in the Media


# Forbes Middle East

Our CEO, Eng. Mohamed Dhaouafi, was named in the Forbes 30 Under 30 list.


# EmTech MENA conference

Our CEO, Eng. Mohamed Dhaouafi, was invited to attend the Innovators Under 35 award ceremony and to speak about Cure Bionics.




# MIT Tech Review

Our CEO, Eng. Mohamed Dhaouafi, was selected for the Innovators Under 35 list.


# Time Magazine

Our CEO, Eng. Mohamed Dhaouafi, was selected as one of the Next Generation Leaders by the renowned TIME magazine.

# Presidential Honor

Our CEO, Eng. Mohamed Dhaouafi, was honored by the former Tunisian President, Beji Caid Essebsi.


# Inclusive Africa 2024 Conference

Our CEO, Eng. Mohamed Dhaouafi, was invited as a speaker on a panel discussion to talk about the role of technology in empowering people of determination.


## United Nations Solutions Summit

Our CEO, Eng. Mohamed Dhaouafi, was invited to present Cure Bionics at the United Nations General Assembly in New York as an innovative tech solution supporting people of determination.

# Let’s work together

On developing the prosthetics sector by offering advanced services, innovative solutions, and establishing leading national and local centers for the manufacturing of advanced prosthetics.

# Cure Bionics

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**Website :** curebionics.com