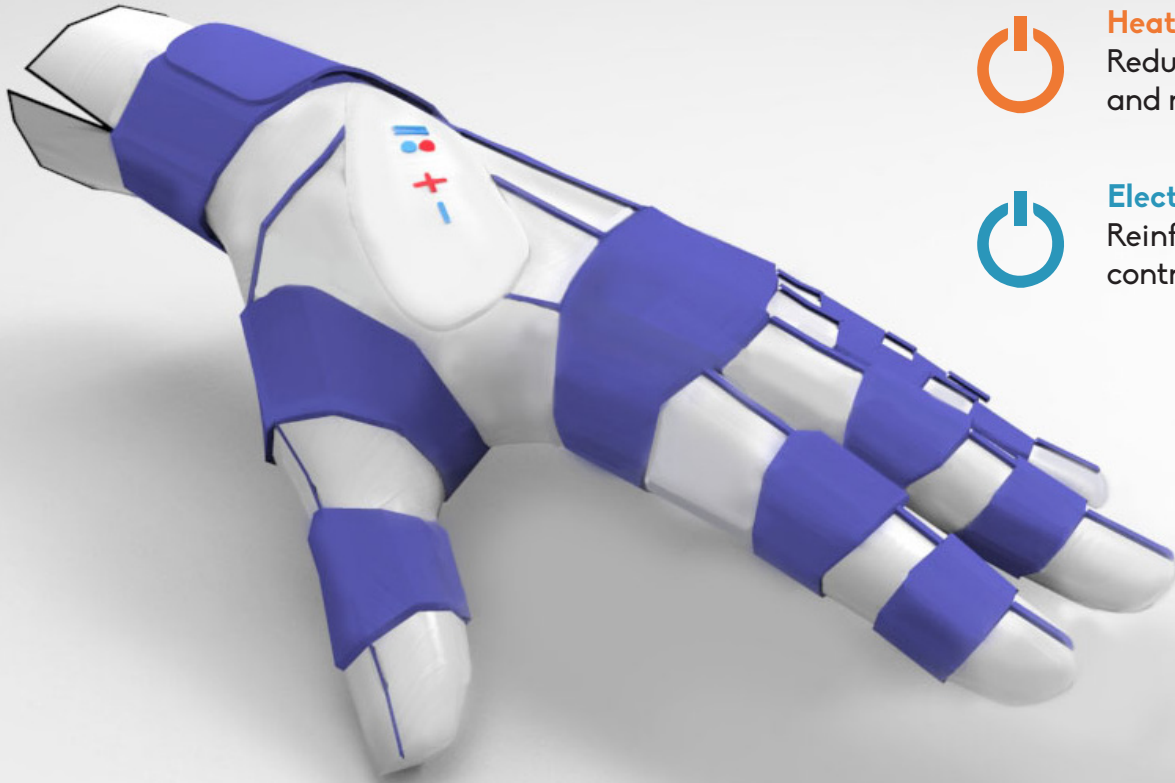


Gloves

for arthritis treatment

Prevention and treatment system.
Integrates 2 different physiotherapy options:



Heat treatment
Reduce muscle spasms
and related stiffness



Electric treatment
Reinforce muscles with
contractions



Main benefits of
both treatments

Pain relief, helps to produce endorphins.

Relaxing effect.

Drug free with **no side effect.**

Increase the **blood circulation.**

When or where to Use ?



Resting on the sofa



Having a talk



Carrying to a visit



Watching TV

Main Components

Transmission wares to the joints

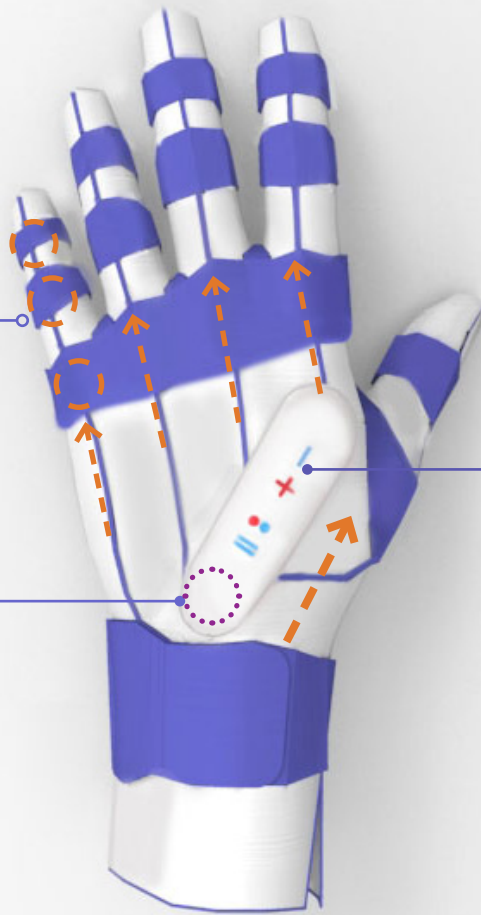
Flexible and washable wares

Battery

Rechargeable item

Control touch

Intelligent textile

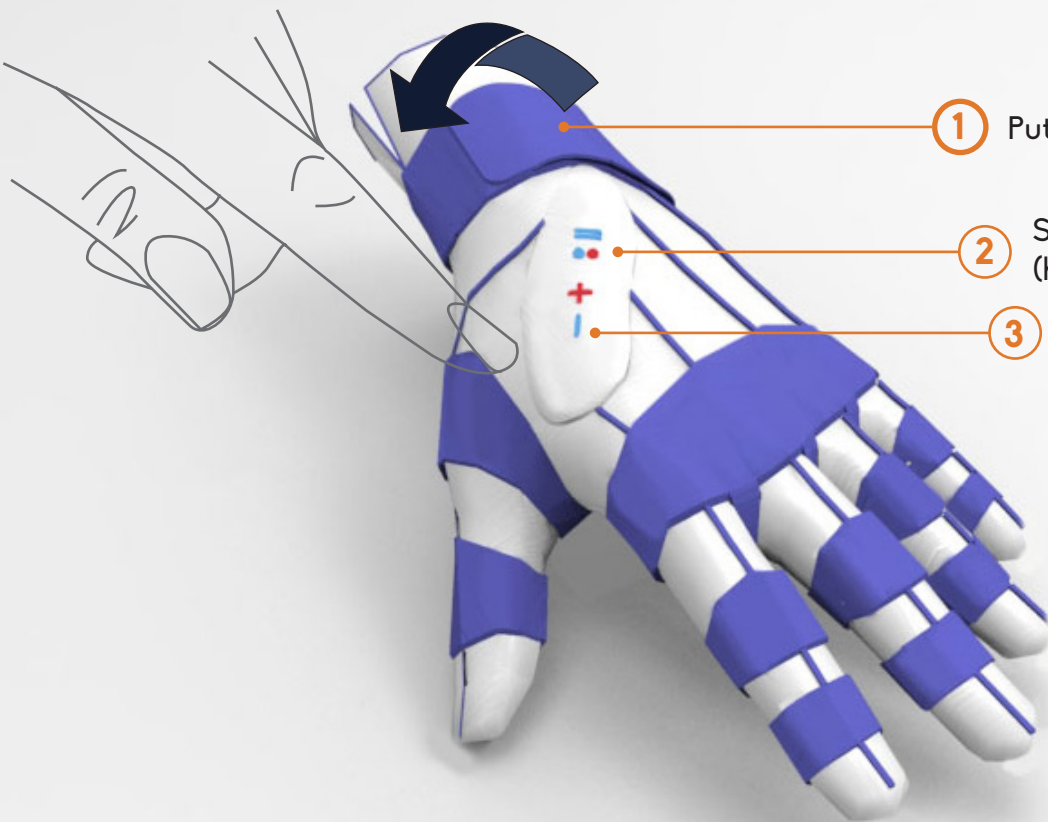


Mode of Use

1 Put on and adjust

2 Select the mode (heat / electric pulse)

3 Select the intensity



Gloves for Arthritis Treatment.

Which problem are you trying to solve?

The problematic is the pain and immobility that suffer patients with arthritis, chronic disease that has no cure, and affects in some cases the joints of the hands, which are our main working tools.

And the option of have something that reliefs the pain in their houses.

How are you going to solve the problem?

With a prevention and treatment system integrated in a pair of gloves that joins two types of treatments: heat and electric pulses.

In this way they can use it, when they need it, without leaving home and by themselves.

What is the impact of your project?

Make it accessible in price and availability for people suffering this disease.

And increase their quality of life.

How can the project be manufactured in the OpenLab?

With the knowledge and materials to make the prototype and especially the electronics to make the sensors and control work.

Describe your project in detail:

The gloves are made for a prevention and treatment system of arthritis, where the main benefits are:

- Pain relief: It help to produce endorphins. (Block pain signals from the brain)
- No side effect, because it is drug free.
- Relax the muscles and increase the blood circulation.

This system could be use in the house of the patient and use it by themselves.

The gloves made with lycra or spandex contents:

1. The transmission wares, pass through all joints of the hand and transmit the heat or electrical pulses. This components are flexible and washables.
2. The control touch, where the patient can choose between the mode and intensity, and turn on and off the system.
3. The battery which is removable and chargeable.

The performance of the system is: Put on the gloves, adjust them and choose heat or electric pulses and then the intensity (depends the condition of patient) and wait.