

BIONICOHAND project

Collaborative Open source hand prosthesis

<https://bionico.org>

Actuation with 1 DC motor for 2 grasps: long fingers flexion & thumb abduction or subduction

Myoelectric trigger with 2 EMGs

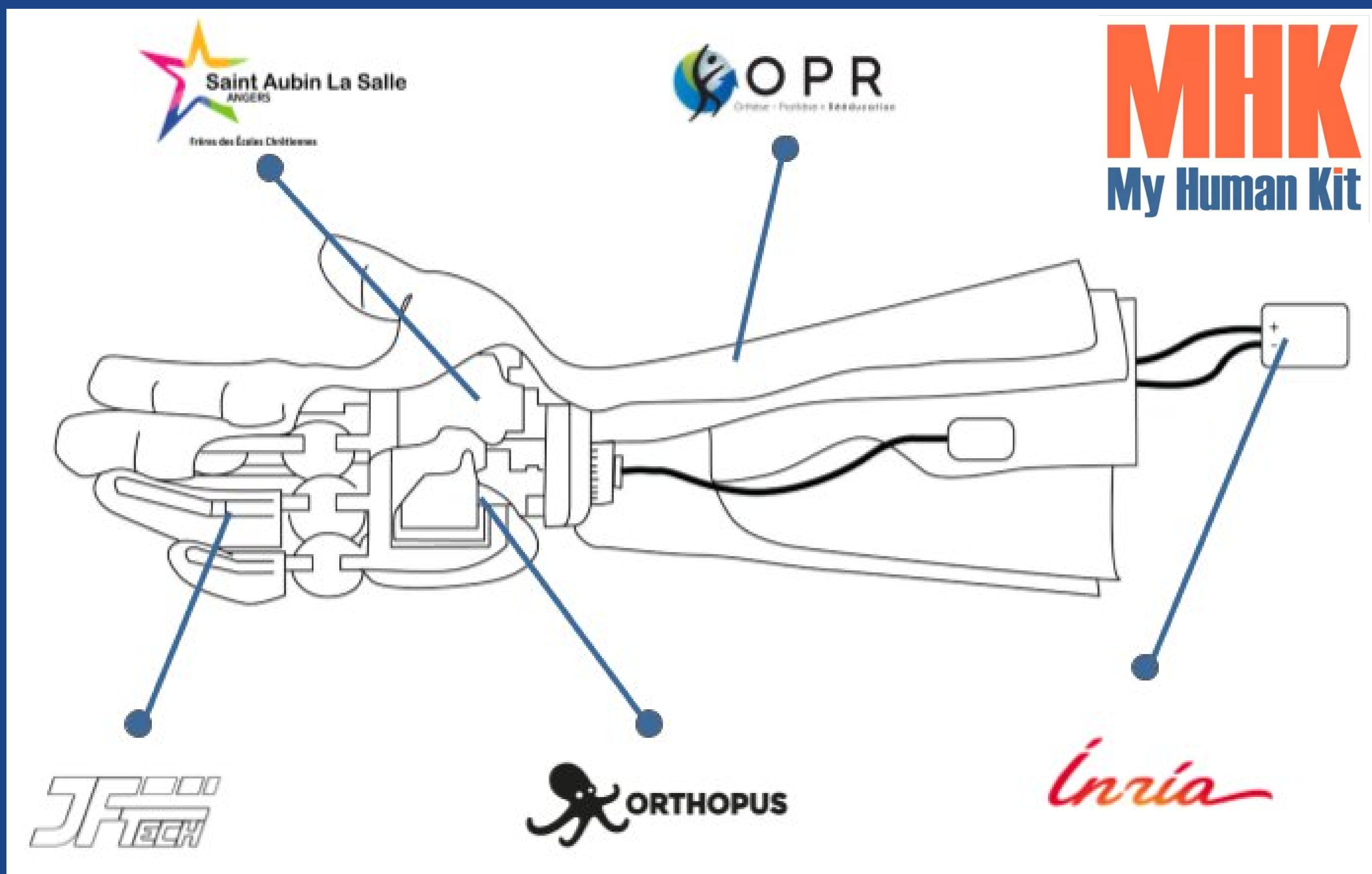
Biofeedback = vibration

(image of motor current)



Photo by ETH Zurich / Cybathlon / Alessandro Della Bella

Electronic board based on RP2040 USB programmable & rechargeable



HANDITECHLABINRIA

Inria

Innovating for and with end-users with Disabilities

- Supporting individuals with disabilities in meeting a technical need
- Frugal and opensource innovation approach
- Apply the scientific and technological know-how of Inria staff to meet specific individual needs with the future user