BRAIN CONTRO

Artificial Intelligence for

Human-Machine Interaction

Pasquale Fedele

p.fedele@braincontrol.com @pascalif @brainctrl







Health 2.0 pe Scienze

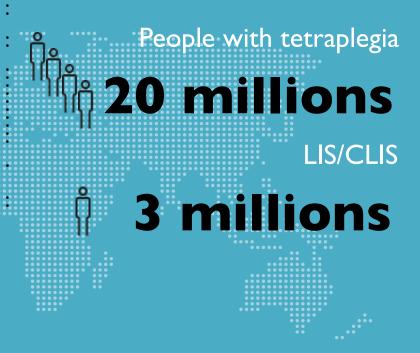






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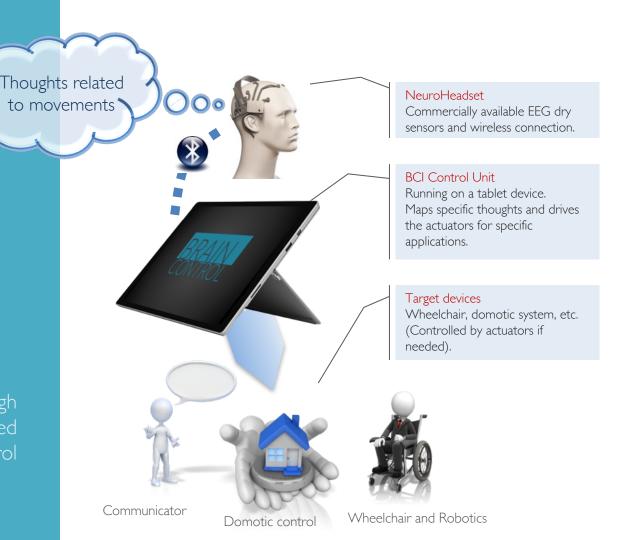
Degenerative neuromuscular diseases, ischemic or traumatic injuries causes paralysis and communications problems



THE SOLUTION

Mental joystick

Braincontrol is a breakthrough technology that gives disabled people the power to control objects with their minds

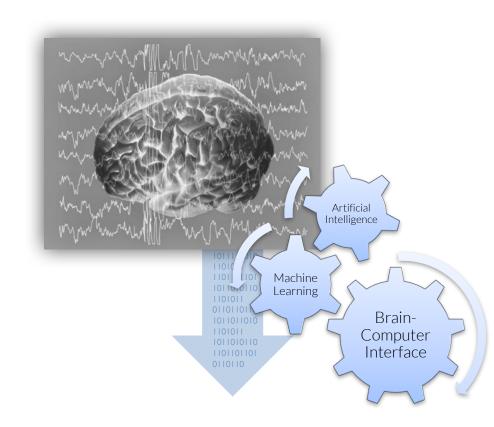




HOW IT WORKS

Brain-Computer Interface

Artificial Intelligence



CLINICALVALIDATION

125

trainings completed

500+ informal trainings

Multicentric clinical study

 \checkmark

Protocol defined

64

Healthy users

All trainings completed successfully

61

Patients (59 with ALS, 9 other patologies)

Early stage

• 8 successfully

Advanced stage

• 14 successfully

LIS:

• 27 successfully

CLIS:

- 9 successfully
- 3 failed















COMPETITIVE ADVANTAGE

First CE medical device in the market based on BCI technology



PATENT N.IT102015000052009 PCT/IB2016/055442



Class I medical device





It fills a technological void for LIS patients



Core solution of a future bio-feedback framework based on machine learning techniques for human-computer interaction

TECHNOLOGY BEHIND







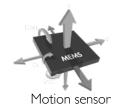
Eye Tracking



Microphone



Camera





Classifier model



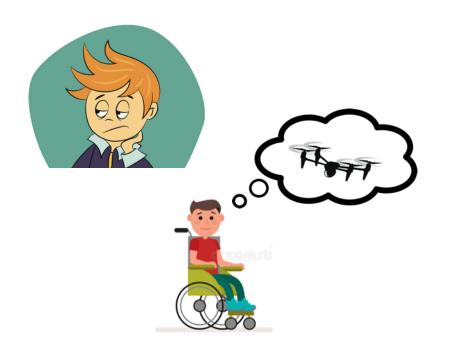
Touch



FOCUS ON PEDIATRIC PATIENTS

Engagement for trainings

Functionalities and design





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Continuous Algorithms Learning process

Games-based trainings for patients



Entertainments

Games





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