

HORIZON
2020

Turning Disabilities into New Possibilities with the Easiest-to-Use Myoelectric Hand Prothesis in the World

Fact Sheet

Project Information

Adams Hand

Grant agreement ID: 886229

[Project website](#)

DOI

[10.3030/886229](https://doi.org/10.3030/886229)

Project closed

EC signature date

29 November 2019

Start date

1 October 2019

End date

31 March 2020

Funded under

INDUSTRIAL LEADERSHIP - Innovation In SMEs

Total cost

€ 71 429,00

EU contribution

€ 50 000,00

Coordinated by

BIONIT LABS SRL



Project description

An affordable, easy-to-use bionic hand for upper-limb amputees

An estimated 3 million people worldwide need upper-limb prostheses, and more than 100 000 new amputations are performed annually. However, prosthetics are expensive and need to be replaced every few years. What is more, most do not offer users a high range of motion and flexibility, and few users can afford the more technologically advanced ones which are also difficult to control. The EU-funded

Adams Hand project proposes an innovative myoelectric prosthetic hand that can move all fingers with one motor, making them automatically adapt to the shape and size of grasped objects. The solution is based on a pioneering mechanism that allows for real hand-like behaviour. In addition, it is lighter and more compact than current prosthetics, is less noisy, has higher autonomy, and is more affordable.

Fields of science (EuroSciVoc)

[engineering and technology](#) > [mechanical engineering](#) > [manufacturing engineering](#) > **[additive manufacturing](#)**

[medical and health sciences](#) > [medical biotechnology](#) > **[implants](#)**



Programme(s)

[H2020-EU.2.3. - INDUSTRIAL LEADERSHIP - Innovation In SMEs](#)

MAIN PROGRAMME

[H2020-EU.3. - PRIORITY 'Societal challenges](#)

[H2020-EU.2.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies](#)

Topic(s)

[EIC-SMEInst-2018-2020 - SME instrument](#)

Call for proposal

[H2020-EIC-SMEInst-2018-2020](#) 

[See other projects for this call](#)

Sub call

H2020-SMEInst-2018-2020-1

Funding Scheme

[SME-1 - SME instrument phase 1](#)

Coordinator



BIONIT LABS SRL

Net EU contribution

€ 50 000,00

Total cost

€ 71 429,00

Address

VIA CRACOVIA 1

73010 SOLETO

 Italy 

SME 

Yes

Region

Sud > Puglia > Lecce

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Last update: 18 August 2022

Permalink: <https://cordis.europa.eu/project/id/886229>

European Union, 2025