

# Strengthening the innovative potential of ENforce Medical Technologies Sp. z o. o. by investing in research and development infrastructure and conducting research in order to develop a prototype of a bionic foot prosthesis.

## **Project description:**

The subject of the project was to create an R&D department thanks to investment in research and development infrastructure and to conduct research aimed at developing a prototype of a bionic foot prosthesis.

The activities aimed at developing a prototype of a bionic foot prosthesis included:

- Development and production of a personalized prosthetic foot made of carbon fiber reinforced composite (CFRP)
- Development and production of a magnetorheological damper
- Development of a control system with an advanced sensor data processing algorithm and magnetorheological damper control.
- Development of technology and production of metal structural elements.

Project goals achieved:

- Establishment of an R&D department thanks to investment in research and development infrastructure.
- Conducting research works aimed at developing a prototype of a bionic foot prosthesis
- Obtaining human, material and financial resources necessary to achieve the ability to carry out advanced research works.
- Development of technology, conducting industrial research for certification and marketing an innovative bionic foot prosthesis.

## **Beneficiary:**

ENFORCE MEDICAL TECHNOLOGIES sp. z o.o. Poznan

**Program:** WROP 2014+

**Fund:** European Regional Development Fund

**Total value of the project:** PLN 1 620 299.43

**EU contribution:** PLN 1 152 541.12

