

Business Plan Summary

Subsidies for Global South Future-Oriented Co-Creation Project (Ukrainian Reconstruction Support/Strengthening Cooperation with CEE Nations) in the FY2024 Supplementary Budget

Project Title	Germany, Ukraine, and the Republic of Poland / Demonstration Project for the Next-Generation Cybernics Treatment Center Integrating the Wearable Cyborg HAL, Neural Regenerative Medicine, and Epidural Spinal Cord Stimulation		
Company Name	CYBERDYNE INC.	Company Size	SME / Non-SME
Project Type	Feasibility Study + Demonstration Project / Demonstration Project		
Project Sector	①Information and Communications / ②Energy / ③Transportation / ④Urban Infrastructure / ⑤Medical Care / ⑥Nursing and Healthcare / ⑦Agriculture and Food / ⑧Waste Management / ⑨Digital Platform / ⑩Other		
Project Size	Total Project Expenses : 73 Million JPY / Total Expenses Eligible for Subsidization : 73 Million JPY / Subsidy Application : 49 Million JPY		

Project Summary

【Post-Commercialization Business Model】

The diagram illustrates the business model across three regions: Japan, Germany/Poland/Ukraine, and the Patient. In Japan, Cyberdyne Inc. (Provider-Facility) provides HAL devices, treatment programs, and educational curricula to the Patient (User) and transfers treatment technology and operational support to Unbroken. In Germany/Poland/Ukraine, Unbroken (Provider-Facility) provides services to the Patient and receives treatment fees. Unbroken also transfers treatment technology and operational support to Partners in Poland, Ukraine, and the CNR (Project Partner). The CNR provides technical licensing, quality control, and institutional collaboration to Cyberdyne Care Robotics GmbH (Project Partner). The flow of funds goes from the Patient to Unbroken, and from Unbroken to the Partners. The flow of services/goods goes from Cyberdyne Inc. to the Patient and Unbroken. The flow of technical collaboration goes from Cyberdyne Inc. to the Partners and Cyberdyne Care Robotics GmbH.

【Objective】

- This project aims to establish an innovative integrated treatment center in Ukraine dedicated to neurological disorders.

【Project implementation contents and methods】

- The project aims to develop an integrated treatment model that combines the wearable cyborg HAL (Hybrid Assistive Limb), regenerative medicine (stem cell therapy), and epidural spinal cord stimulation. This model will provide comprehensive support from neural recovery and functional reconstruction to social reintegration.
- Japan and Poland will serve as bases for introduction and technical training, conducting clinical validation and practitioner training for the integrated treatment model. The outcomes of these efforts will be gradually transferred to medical facilities in Ukraine, aiming to establish a sustainable, advanced rehabilitation center locally.

【Main technologies/services】

- The core technology utilized in this project is the wearable robot HAL based on Cybernics technology, integrated with epidural electrical spinal cord stimulation therapy and regenerative medicine to create a comprehensive treatment program for neural and motor function recovery.

【Schedule】

- Planned duration: 3 years from grant approval

Contribution to Ukrainian Reconstruction

In the reconstruction of Ukraine, this project aims to introduce advanced medical technologies for neuro-musculoskeletal diseases and disorders, working in close partnership with “Unbroken” located in Lviv, Ukraine. By supporting the introduction and operation of advanced treatments at this center and fostering the development of local medical professionals, the project seeks to contribute to the social reintegration of war-injured individuals and the restoration of medical infrastructure, thereby realizing sustainable reconstruction support.