Robotic Assistive Exoplatform

ABILITA Sp. z o.o.
ul. Niedźwiedzia 29b, 02-737 Warszawa, Polska
+48 78 197 39 79
NIP: 537-252-03-59
office@abilita.net.pl

https://www.youtube.com/watch?v=EbDxwFIYi20
https://www.youtube.com/watch?v=R6_828K5CnY
https://www.youtube.com/watch?v=neO2OENAiHA
Who We Are

John Baby, M.S CS / Founder / Director / CEO
Specializations: Medical Devices, Software
Experience in Medical Device Design and Regulations: 20 + years
Experience in Software: 25 + years
List of Projects: 25 + (MRI, Surgical Robots, CRO, VR, IVD, PPEs, SaMD including AI etc)
Science Activity: Clinical evaluation literature accepted by FDA and CE

Dr. Vlad Lukashevich, MD, PhD. / Founder / Chief Scientific Officer / CTO
Specializations: neurology, rehabilitation, neurophysiology
Experience in Neurological science and Clinical Medicine : 20+ years
Experience in Medical Engineering : 10+ years
List of Projects: «Intellect Motion», «Hapto», «Triniti», «Teslasuit», Medical Academy of Post-Graduate Education
Science Activity: 100+ articles, 18 patents, 2 monography

Vitali Fraiman / Chief Product Officer
Specialization: development, production, technical service, product management, sales of medical equipment.
Experience in development and technical service of medical equipment: 25+ years
Experience in product management of medical devices: 10 + years

Fedor Klepcha / Chief Manufacturing Officer / Senior Mechanical Engineer
Specialisations: mechanical engineering, instrumentation, manufacturing
Experience in mechanical engineering: 10+ years
Experience in instrumentation 5+ years
List of projects: "MTZ factory", "STS group", "BelIntelMED", "Teslasuit"
Development: 1000+ technical processes, technological equipment, portable medical devises etc

Sergey Urbanovich / Senior Electronic Engineer
Specializations: Digital Signal Processing, FPGA design, CPU programming, PCB design
Experience in electronic design and scientific research : 20+ years
Experience in medical engineering: 5+ years
List of projects: UHF radiometer, sonic radar, phased array radar control system, space synthetic aperture radar
Science activity: 20+ articles
ASSISTIVE TECHNOLOGIES can be defined as: “any product or system that is used to maintain or improve the functionality and independence of people with cognitive, physical or communication difficulties”

ONE OF THE MOST IMPORTANT PROBLEM OF ELDERLY SOCIETY is independence and safe walking due to joint pathologies

KNEE OSTEOARTHRITIS
- 15% Age > 60
- 40% Age > 70

HIP OSTEOARTHRITIS
- 25% 60-85 y.o.

OUR SOLUTION IS ROBOTIC ASSISTIVE EXOPLATFORM designed for independence, safe and comfort walking

WOEX improves:
- Balance & Coordination
- Rational gait strategy
- Muscle endurance
- Spatial orientation
- Muscle strength
- Joint mobility

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https://www.youtube.com/watch?v=R6_828K5CnY
https://www.youtube.com/watch?v=EbDxwFIYi20

Hunter Hsu, Ryan M. Siwiec; Knee Osteoarthritis, StatPearls; Publishing, 2020 June; PMID: 29939661

HIP OSTEOARTHRITIS
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Looking for

WE ARE LOOKING FOR:

• Support for collaboration with clinics and elderly people societies
• Support for certification in Europe
• Investments for manufacturing