

WO:EX

Robotic Assistive Exoplatform

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<https://www.youtube.com/watch?v=EbDxwFIYi20>
https://www.youtube.com/watch?v=R6_828K5CnY
<https://www.youtube.com/watch?v=neO2OENAIHA>





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

Specialistsions: mechanical engineering, instrumentation, manufacturing

Experience in mechanical engineering: 10+ years

Experience in instrumentation 5+ years

List of projects: "MTZ factory", "STS group", "BellIntelMED", "Teslasuit"

Development: 1000+ technical proceses, 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

Hunter Hsu, Ryan M. Siwiec Knee Osteoarthritis. StatPearls. Publishing; 2020 Jun 29. PMID: 29939661. Bookshelf ID: NBK507884

40% Age > 70

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

lifetime.Murphy LB, Helmick CG, Schwartz TA, Renner JB, Tudor G, Koch GG, Dragomir AD, Kalsbeek WD, Luta G, Jordan JM. One in four people may develop symptomatic hip osteoarthritis in his or her. Osteoarthritis Cartilage. 2010 Nov; 18(11):1372-9.

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

CONTROL MODULE

BODY WEIGHT SUPPORT SYSTEM

POWER & LIMBS LIFTING MODULE



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

WOEX improves:

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

WE ARE LOOKING FOR:

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

