

DID YOU KNOW THAT 70 MILLION PEOPLE YEARLY SUFFER IN EUROPE FROM PULMONARY DISEASES AND DO NOT UNDERGO NEEDED HOME REHABILITATION?

We are a team of friends who want to improve the quality of society's living. We develop technologies in-house, as we are all engineers. We have electric, electronic, IT, biorobotics and mechanics experts on board, UX/UI specialists, or even those experienced in acquiring funding, IP protection, and conducting research projects.

We are also supported by a team of medical and business experts who consult us in the field outside of our speciality. Since September 2023, we collaborate with the Center for Pulmonary Diseases in Olsztyn, which supports us in testing the devices and adjusting them to real-life patients' needs.

We were granted the money from the contests and developed our products based on this financing as well as bootstrapping. Now, we aim to acquire **2.3M€** in three invested rounds to adjust the products to the manufacturing standards, certify them as medical devices, and start manufacturing and selling.

ABOUT US



Piotr Falkowski
CEO



Maciej Pikuliński
CIO



Anna Pastor
CMO



Bazyli Leczkowski
CTO



Krzysztof Zawalski
Technologist



IN EUROPE, THERE IS A **TENFOLD SHORTAGE OF MEDICAL STAFF**. PATIENTS ALSO HAVE TO WAIT MORE THAN **THREE MONTHS** TO BEGIN **PULMONARY PHYSIOTHERAPY** WHEN THEY NEED IT IMMEDIATELY.

MARKET

We initially plan to start with the Polish market of respiratory rehabilitation devices and continue with the European markets with significant investments in medical technologies. The global market of respiratory rehabilitation devices is estimated to be worth **16.3B USD** by **2033** but is not yet penetrated well enough besides systems dedicated to COPD, asthma, and cystic fibrosis. However, our products are dedicated to telerehabilitation. This sector is estimated to grow with a **CAGR of 15.3%**

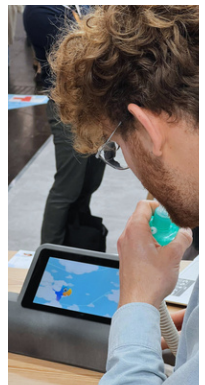
Our competition produces mainly simple devices that do not address the problem of tracking the patients' progress, automating therapy routines, and keeping the engagement of a user at a high level. The most advanced solutions do not provide real-time adjusting resistance treatment.



OUR PRODUCTS

Notos is a simple system for individual home use which **gamifies** the treatment. It integrates a smartphone and a mechanical pulmonary trainer, capturing images with the front camera. Thanks to this **simplicity**, it can be used at home by hardly anyone and remains relatively **inexpensive**.

Boreas is an advanced system for **gamified** pulmonary rehabilitation in hospitals. It controls the **resistance** of the treatment, **measures** its parameters, **visualises** the desired breathing patterns, and **sends the data** measured to the physician. The exercising sessions are generated **automatically**. The device complies the sterilisation standards, hence, it can be used by numerous patients.



OUR DEVICES ARE DEDICATED TO PEOPLE WITH PNEUMONIA, COVID-19, COPD, LUNG CANCERS, AFTER SURGERIES OR WITH POSTURE DEFECTS. RESPIRATORY DISEASES REMAIN ONE OF THE MOST COMMON MORTALITY FACTORS (>7% OF ALL DEATHS).



20 €

FOR AVERAGE THERAPY CYCLE WITH NOTOS



>10 TIMES

BIGGER CAPABILITIES OF A SINGLE DOCTOR WITH BOREAS



INDIVIDUALISED THERAPY ON DEMAND ANYWHERE

piotr.falkowski@pdmeds.com | +48 664 212 299 | pdmeds.com | Smolna 4/33, 00-375 Warsaw, Poland | 2024



WARSAW BOOSTER 23



WARMINSKO - MAZURSKIE CENTRUM CHOROBY PLUC W OLSZTYNIE

