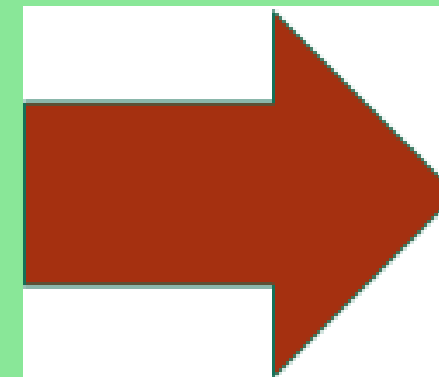


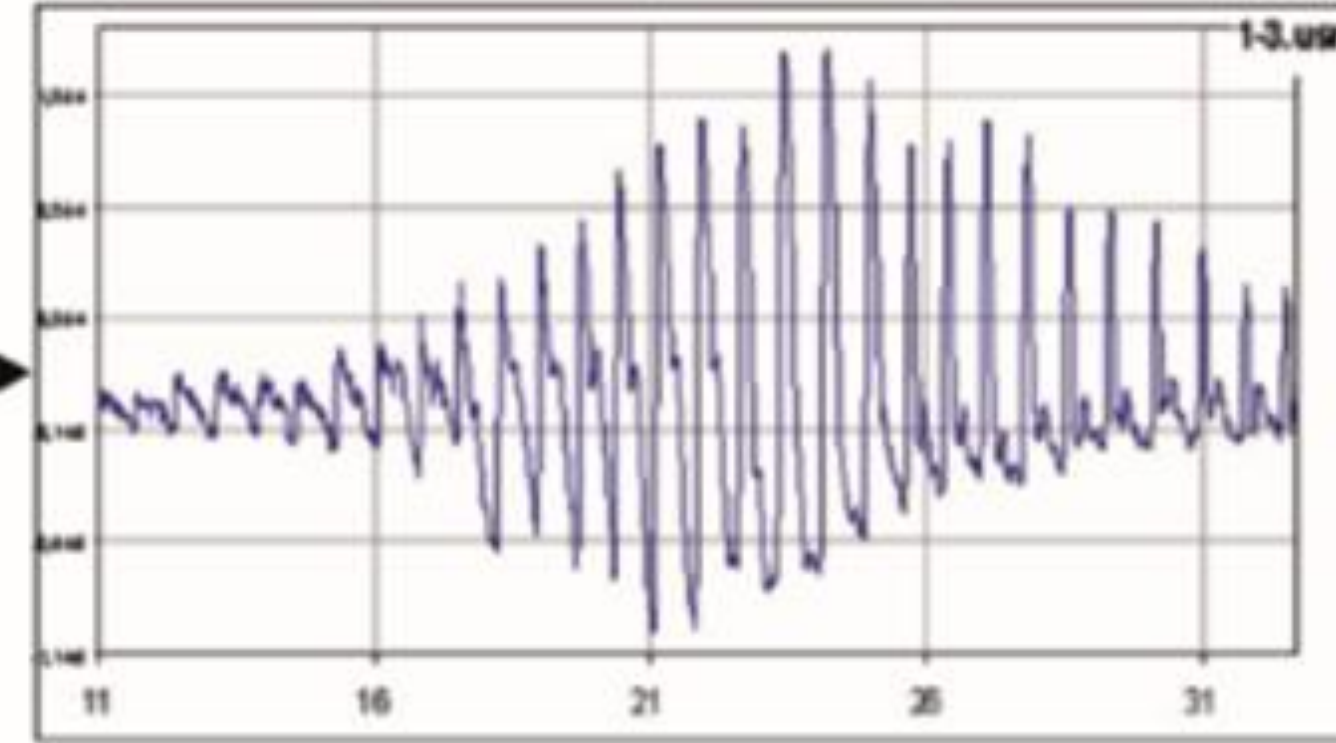
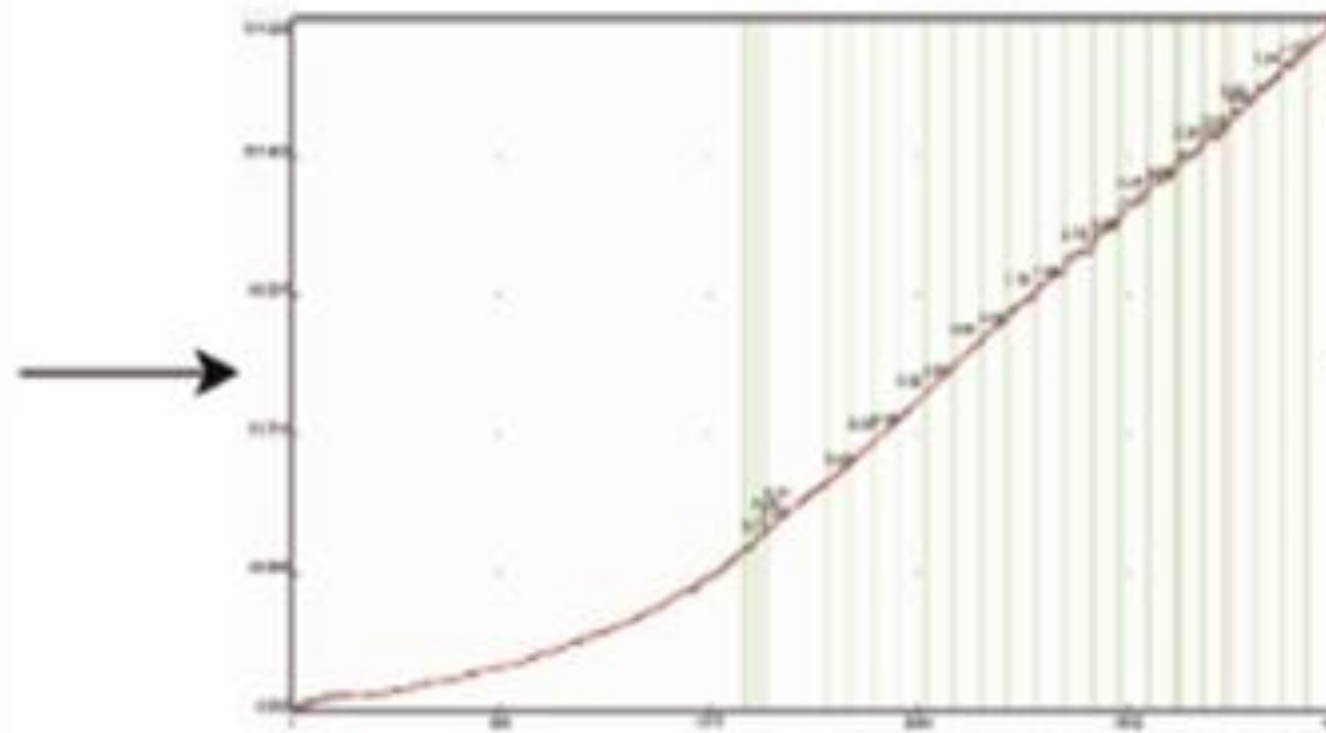
LCC "Innovation in medicine"

# Software «Oranta-AO» for blood pressure monitor

Do you know how much available information we can get from blood pressure monitor??

**Author idea,**  
CEO, Prof. DSc. PhD  
Dmytro Vakulenko



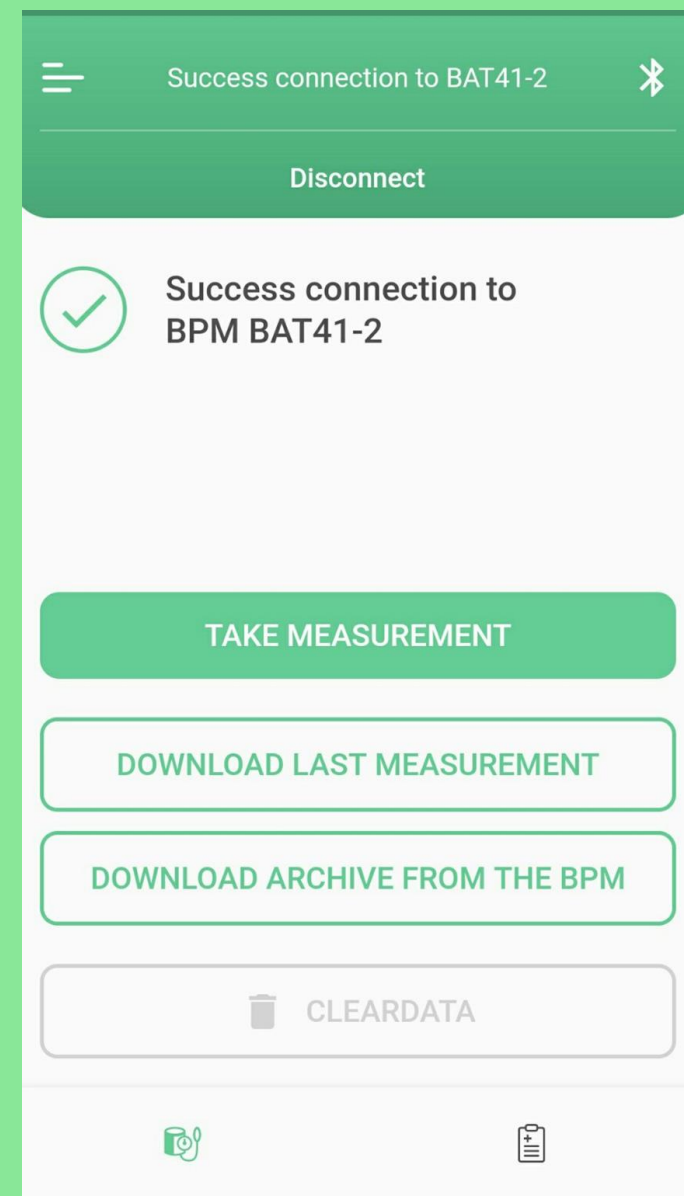


**Oranta-AO (Arterial Oscillography methods)**  
is an analysis of pulsations registered during blood pressure  
measurement

# Oranta-AO - Software complex



**Pressure measurement with supported Orant-AO equipment**



**The mobile application sends and receives a signal from the blood pressure monitor and displays the results**



**Comprehensive display of indicators in accordance with the norms in the personal account of the user**

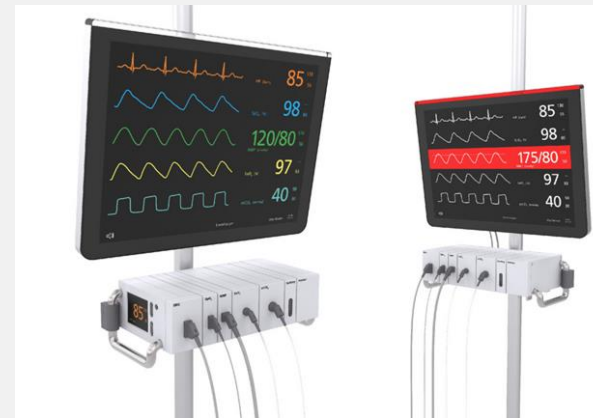
# Users and customers

Each user of the pressure gauge can get more detailed information according to the scope

# Decision makers

Due to our business model B2B - Licensing for blood monitors manufacturers and subscription for software users, our main goal to reach the directors of medical equipment manufacture, who are already successful with their reseller's network.

Another key person in the sales chain are procurement managers of hospitals, health and wellness centers and medical departments of correspondent institutions.



## Patient

Self-monitoring, fast and accurate monitoring of complex health indicators, preventing of sharp forms of disease, controlling of current one

## Family doctors, Cardiologists and other medical staffs

saving time for pre-examination, improving the accuracy of diagnosis in the initial (further) stages of the examination, upgrade the quality of treatment efficiency

## Fitness, Rehabilitation and Sports medicine

interactive monitoring of health indicators before-during-after trainings, on-site regularation of training plan

## Military, Astronauts, Veterinary medicine

portability when it is necessary to measure a set of indicators, including all the above advantages

# Product solution with support Oranta-AO

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- **Holter monitoring of blood pressure VAT4I-2, ICS-Exno, Ukraine (near 950 Euro)**
- **Deep study Activities of the heart, vessels, autonomic and central nervous systems, mental disorders**
- **Routine measurement blood pressure (near 200 Euro)**
- **Patient, Primary doctors, nurses, cardiologist, psychiatric, rehabilitation, sport medicine**



# Innovation

**EXPRESS** diagnostics with blood pressure monitoring which allows to investigate:



- The level of health and adaptive capabilities of the body
- The level of psycho-emotional impact on the cardiovascular system (depression, burnout)
- Central and peripheral circulation
- Dynamic vascular response to compression
- Autonomic nervous system
- Risks of heart, lung, mental and COVID-19 diseases, 85-97% accuracy

# Market



Digital blood pressure monitor market size is expected to progress at a CAGR of 10.1% and reach \$1,4 billion by the end of 2025.

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**IoT Medical Devices Market (including Blood Pressure Monitors) is projected to reach \$94.2 billion by 2026 from USD 26.5 billion in 2021, at a CAGR of 28.9% during the forecast period.**

# Business model

B2B - Licensing for blood monitors manufacturers and subscription for software users





# Important Milestones

**2010**

Research start,  
2000+patients were  
examined during 10  
years

**2015**

Software system  
development  
Obtaining national  
patents  
Prototyping

**2021**

Received a USF,  
Poland Prize and  
NFRU grant  
Clinical trials PCT  
priority patent and  
certification

**2022**

Certification and  
patenting started in  
Europe,  
Marketing and Sales  
in Ukraine and  
Europe

**2023**

Certification and patenting  
in America, Asia  
Marketing and Sales in  
Ukraine, Europe, America,  
Asia

# The team is unique



**Researcher,  
MD. Phd.  
Lydmula Vakulenko**



**CEO, Researcher  
Prof. DSc. Phd,  
Dmytro Vakulenko**



**Lawyer  
Pavlo Kutakov**



**Programmer  
Angular, Nodejs, Mongodb  
Grygoriy Zasp**



**Programmer,  
Matlab, Pyton, ML Engineer  
Nestor Demyanchuk**



**Manager,  
Mariana Vakulenko**

# **Next plan:**

**Marketing in Europe, Asia, USA and other country via:**

- **Participation in Exhibitions and Conferences**
- **Expertize in medical society and research**
- **Direct Diller communication**
- **Continue development and testing product**

# Do you have any questions?

Contact us anytime!



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