

BIOCONTROL SYSTEM

FINTECH_FAB



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Biocontrol system is a computer appliance for remote control and monitoring of a person's biological data. It assesses functional state of a human body, identifies any deviation and provides access to the research findings and their storage.

FINTECH_FAB IS A HI-TECH FAST-GROWING COMPANY, THAT DEVELOPS AND DEPLOYS CUTTING EDGE SOFTWARE SOLUTIONS IN MANY BUSINESSES - FINANCIAL SERVICES, CLOUD-BASED SOLUTIONS, M-COMMERCE AND E-COMMERCE, TELEMEDICINE AND MOBILE HEALTH.

The problem

is the lack of staff health monitoring when it is necessary.



The solution

- Take measurements
- Process and store the results in the cloud
- Analyze and react to the violations immediately
- Restrict access to the data

DIAGNOSTIC EQUIPMENT MARKET IN RUSSIA

2 BILLION \$
MARKET SIZE

43 %
OF THE MEDICAL DEVICE MARKET

19 % THE PART OF DOMESTIC MARKET EQUIPMENT

10 % ANNUAL GROWTH RATE

100 % ANNUAL TELEMEDICINE EQUIPMENT GROWTH RATE

10 МЛРД \$
THE MEDICAL DEVICE MARKET OUTLOOK 2020

APPLICATION OF THE SYSTEM

REGULAR MONITORING WITH THE REMOTE WEARABLE DEVICE:

- Oximetry
- Body position (orientation)
- Temperature
- ECG
- EDA
- Blood pressure

PRE-SHIFT MEDICAL CHECK-UP ARTERIAL TENSION

BAC (BLOOD ALCOHOL CONTENT)

EMERGENCY CARDIOLOGY

PHE (PERIODIC HEALTH EXAMINATION), PREVENTIVE HEALTHCARE AND SCREENING (HEALTH SURVEY)

PATRONAGE

CHRONIC CONDITIONS

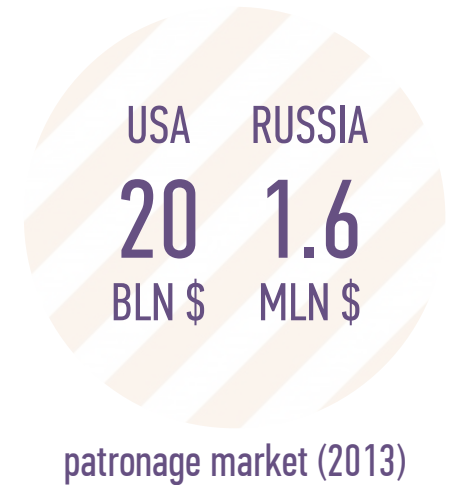
- Asthma (spirometer)
- Glucose level (glucometer)
- Cardiovascular diseases

EPIDEMIOLOGY EXPERTISE AND BINDING TO A PATIENT'S RECORD:

- HIV ½
- Hepatitis B and C
- Syphilis
- Tuberculosis

MORE THAN 25 TESTS OF BIOCHEMICAL BLOOD ANALYSIS

REMOTE HEALTH MONITORING OF SPORTSMEN



THE ACTUAL RATE OF PEOPLE WITH DIABETES IN RUSSIA IS 3 TIMES HIGHER THAN DIAGNOSED



APPROACHES AND TECHNOLOGIES

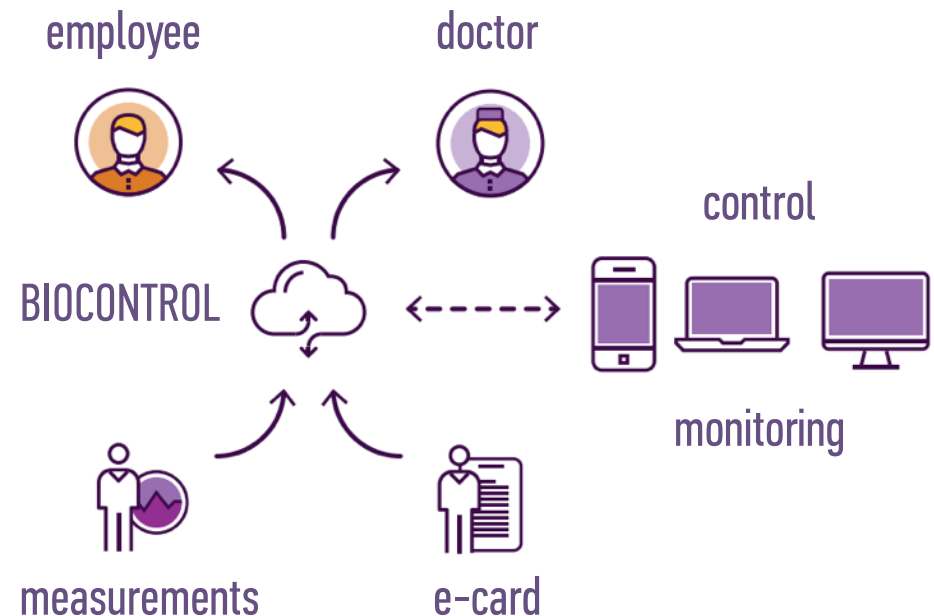
ADVANTAGES OF TELE DIAGNOSTICS

COMPARED TO GENERAL HEALTH CHECK-UP

- FINANCIAL AND TIME COSTS REDUCTION
- TRANSPARENT PROCEDURES
- FAST AND EASY IMPLEMENTATION, COMPATIBILITY WITH MEDICAL SOFTWARE
- PROCESS AUTOMATION AND REDUCTION OF HUMAN ERRORS
- INSTANT ANALYSIS AND REACTION ABILITY
- FEASIBILITY OF CREATING SINGLE DATABASE WITH ONLINE ACCESS

APPROACHES:

- Medical bracelet with sensors for regular health monitoring
- Raw data processing
- Cloud data storage
- Adaptive system for various needs and industries



TECHNOLOGIES:

- Computer appliance diagnoses functional state of a human body and reduces risk of error
- Data is stored in the cloud with restricted access
- Software analyzes data and presents a report for decision making.