

# Promobot

Robot for medical check-up

[www.promo-bot.ai](http://www.promo-bot.ai)

Authorized Distributor in INDIA

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TM  
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Robotics

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# Service robot Promobot V.4



## External modules:

1. Spirometer (SpO2 + spirometry)
2. Glucometer (glucose + total cholesterol + hemoglobin + INR)
3. Tonometer (blood pressure + pulse)
4. Printer
5. Defibrillator (emergency)
6. LIDAR (navigation)
7. Portable scales (weight measurement)
8. Pulse oximeter

## Standard functionality:

- Recognize and remember a person
- Speech Recognition
- Perform voice commands
- Determine age and gender
- Keep the conversation going
- Move along a given path
- Print photos
- Remember everything that [what it] has been told and provide a detailed analytical report
- Give health advice

# Medical equipment integration



## Spirodoc

Full Screening hand-held spirometer  
Tiffno Indexed Pulmonary Volume Examination



## Pulseoximeter

Diagnostic tool for measuring arterial capillary blood oxygen saturation



## Non-invasive glucometer

Calculation of blood glucose based on the measurement of radiation in the region of the absorption spectrum of glucose in 3 ranges



## Tonometer

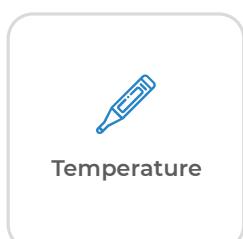
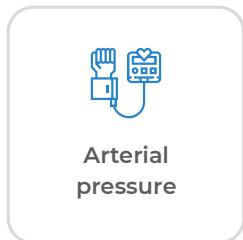
Diagnostic tool for measuring arterial blood pressure and pulse



## Defibrillator

Ability to provide emergency care

# Measurement of human health Parameters



# Data Analysis and Risk assessment



The robot takes measurements of life support systems



Conducts a screening survey, sends data to the cloud



From the cloud, the robot receives research result

Compares instrument data and results survey, performs calculations on the scales SCORE, FINDRISC, PHQ-9, ESRS, GINA 2009, WHO and others



# Diagnostic Results

## At a medical examination:

- 01 The robot prints on paper, demonstrates diagnostic results on the screen.
- 02 Sends especially important information by voice.
- 03 Gives recommendations on a healthy lifestyle: nutrition, sports, smoking cessation and so on.
- 04 Warns that any further treatment can only be prescribed by a trained medical professional

## Based on the data received:

- Promobot records diagnostic results in the cloud of the clinic and in the patient's personal account.
- Promobot sends the diagnostic results to the doctor's email. Using an electronic signature, the doctor can provide a medical report that a person is allowed to start working.



# Robot Implementation Results

## The robot has already reached:



An increase in the number of participants in loyalty programs by 118%



Satisfaction growth 24% service quality



Sales are 31% higher than human promoters



The growth in the number of references in the media/social networks by 69%



Brand loyalty growth of 6%



21% traffic growth



Labour cost reduction of 17%

## Forecast Results for Promobot Medicine

### Annual and quarterly medical examinations of employees:

- ✓ Increase engagement and employee loyalty;
- ✓ Employee Disease Prevention and absences due to illness.

### Medical examinations:

- ✓ Possibility of remote decision-making on access to the workplace;
- ✓ Unloading the clinic of the enterprise;
- ✓ High speed inspection;
- ✓ Non-invasive glucometer;
- ✓ Saving on personnel, appliances and supplies.

# The implementation of a diagnostic robot

**Location** VDNH (Moscow)

**Event** Regional Social Innovation Forum

**Duration** 3 days

**Method** Conducting a screening survey to identify the risk of occurrence cardiovascular disease

**514**

consultations held

**3 min.**

average consultation duration



**Pay attention** the robot does not diagnose it only makes a recommendation according to SCORE scale



## Promobot already in business



Администрация  
губернатора  
Пермского края



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музей современной  
истории  
России



РНКБ

514  
robots already delivered



## Geography Promobot

**514**

robots already delivered

**40**

distributor

**15**

service centers

**39**

countries of presence



# Achievements of the company Promobot



## Skolkovo residen

Company Promobot is developing in the field of artificial intelligence, speech recognition, mechatronics and other high-tech directions. Due to this, the company is a resident of the Skolkovo fund and is one of the most innovative companies in Russia.



## Winner of the Startup Village 2015

The company Promobot became the winner of the international competition of innovative startups Startup Village 2015, in the nomination "Robotics". The international experts of the industry from jury recognized OOO Promobot as the best company of 2500 nominees.



## Forbes 30 under 30

The founders of the company Promobot, are in the list of the most successful entrepreneurs under 30 according to the version of the international edition of Forbes

## SLUSH Slush 2015 Helsinki

At the largest European competition of innovative companies, Promobot entered the shortlist, which consisted of 100 most successful companies, after which it received a prize of audience sympathy. Totally in 2015, more than 15 000 companies from all over Europe came to take part in this event.



## Winner of the GenerationS 2014

In 2014 the company won the main competition of innovative startups in Russia, GenerationS. The company was recognized as the best industrial manufacturer of 2014.



## AMEC Awards

The scope and mediativity of Promobot were recognized by the international AMEC Awards in the field of mass communications. This fact positively affects the entire partner network of the company.



**promobot**

Made in Russia

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