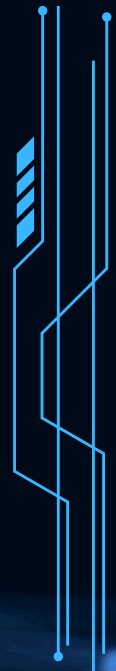
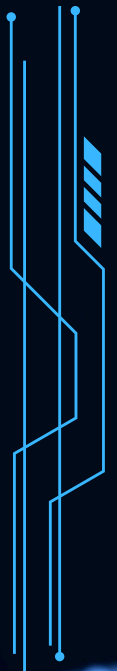


HTE PSA – INTELLIGENT DIAGNOSTIC SYSTEMS



HTe+
PSA





HTE PSA is an innovative technology initiative focused on developing and implementing advanced solutions in medical diagnostics and health monitoring.

HTE PSA specializes in creating intelligent, AI-powered systems designed to enhance diagnostic precision, support patient care, and transform the way healthcare providers interpret physiological and emotional signals.



AUTOMATIC HEART CONDITION CLASSIFICATION SYSTEM

INNOVATIVE HTE PSA SOLUTION FOR AUTOMATIC CLASSIFICATION OF HEART CONDITIONS BASED ON ECG SIGNALS. ACCURACY EXCEEDING 99% – THE HIGHEST ON THE MARKET.

Project Objectives:

Development of an intelligent system for automatic classification of heart conditions based on ECG signals.

The system is designed to provide rapid, automated assessment of heart function without the involvement of a physician at the initial stage.



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PROJECT OBJECTIVES:

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The system is designed to provide rapid, automated assessment of heart function without the involvement of a physician at the initial stage.

BUSINESS MODEL AND TARGET GROUPS:

- Main business model: Software as a Service (SaaS), subscription-based.
- Target groups: medical clinics, physicians, individual patients.

KEY PRODUCT INFORMATION:

- Machine-learning-based system utilizing LSTM neural networks for ECG signal classification.
- Analysis of six heart conditions (e.g., atrial fibrillation, tachycardia).
- Training data sourced from the FLUKE ProSim 4 simulator.
- Application of Hilbert, Fourier, and wavelet transforms – accuracy above 99%.
- B2B and B2C licensing models: server-based and cloud-based licenses.
- Autonomous offline and online operation.

FEATURES AND FUNCTIONALITIES:

Lorem ipsum odor amet, consectetur adipiscing elit. Tempus rutrum dictum lectus sagittis ridiculus nisi. Rutrum risus habitant praesent; viverra convallis inceptos a. Ac ultricies in sapien dolor fringilla suspendisse.

INTELLIGENT SYSTEM FOR ASSESSING AND SUPPORTING THE EMOTIONAL STATE OF INDIVIDUALS WITH CHRONIC DISEASES OR UNDERGOING REHABILITATION

MARKET NEEDS:

- Lack of comprehensive monitoring of patients' emotional state
- Need for psychological support
- Lack of consistent and unified medical data
- Need for personalized care
- Improving the effectiveness of therapeutic processes

PROPOSED SOLUTION:

A system using image analysis, NLP/NLU, and a personal assistant module. Functionality includes emotional analysis, psychological support, reminders, and automation of forms.

BENEFITS FOR CLIENTS:

- Improved quality of life
- Reduced healthcare costs
- Innovation and competitiveness
- Development of the e-health sector
- New job opportunities



INTELLIGENT SYSTEM FOR ASSESSING AND SUPPORTING THE EMOTIONAL STATE OF INDIVIDUALS WITH CHRONIC DISEASES OR UNDERGOING REHABILITATION

R&D WORK:

- Technology Readiness Level (TRL): III
- Analysis of technology, market, and competition
- Data protection planning

PLANNED ACTIVITIES:

- System design
- Component selection
- Prototype development
- Testing
- Marketing and financial strategy

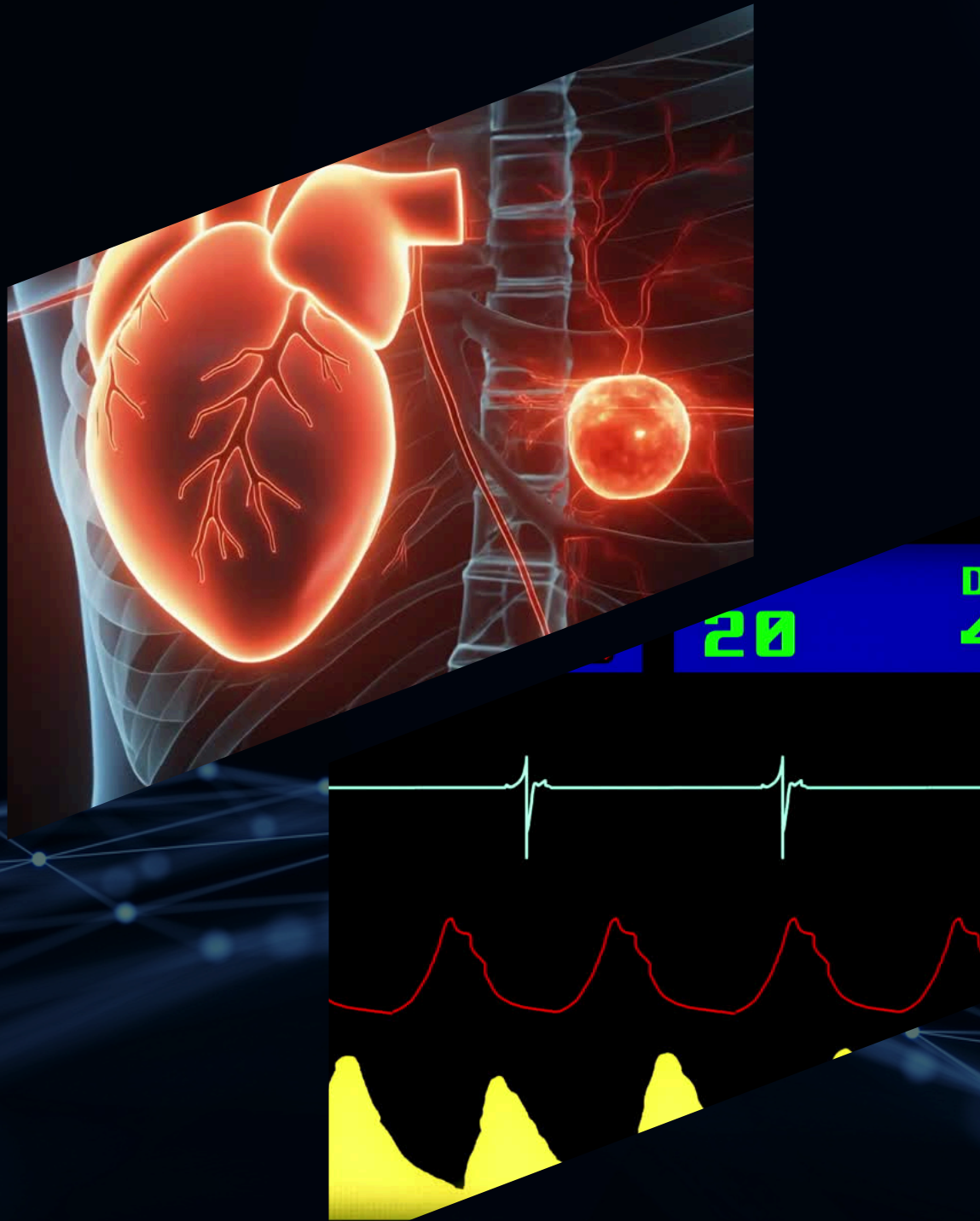
INVESTMENT PERSPECTIVE:

Large user base, broad application possibilities, growing health-related needs.



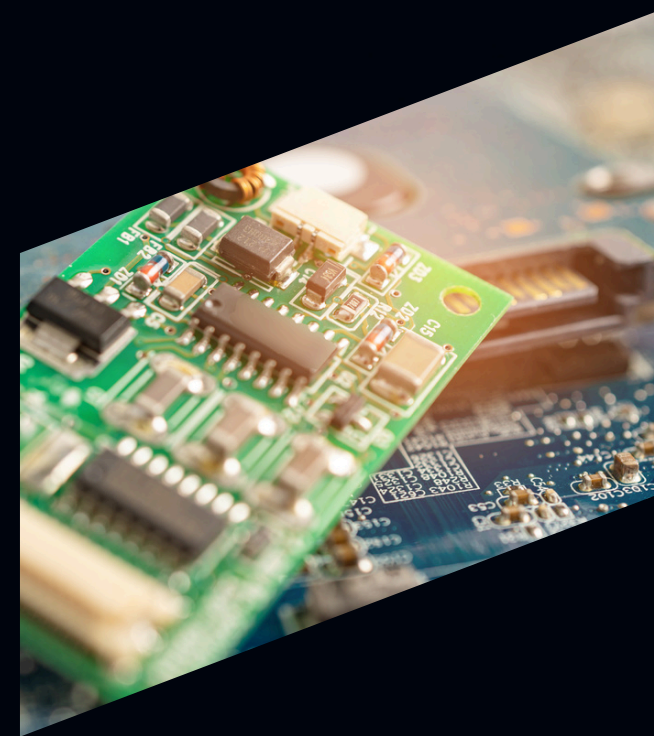
TARGET GROUPS:

- Medical facilities (hospitals, clinics, outpatient centers)
- Individual physicians
- Individual patients



SALES CHANNELS:

- B2C subscriptions
- B2B systems
- Partnerships and advertising models
- Trade fairs, conferences, social media

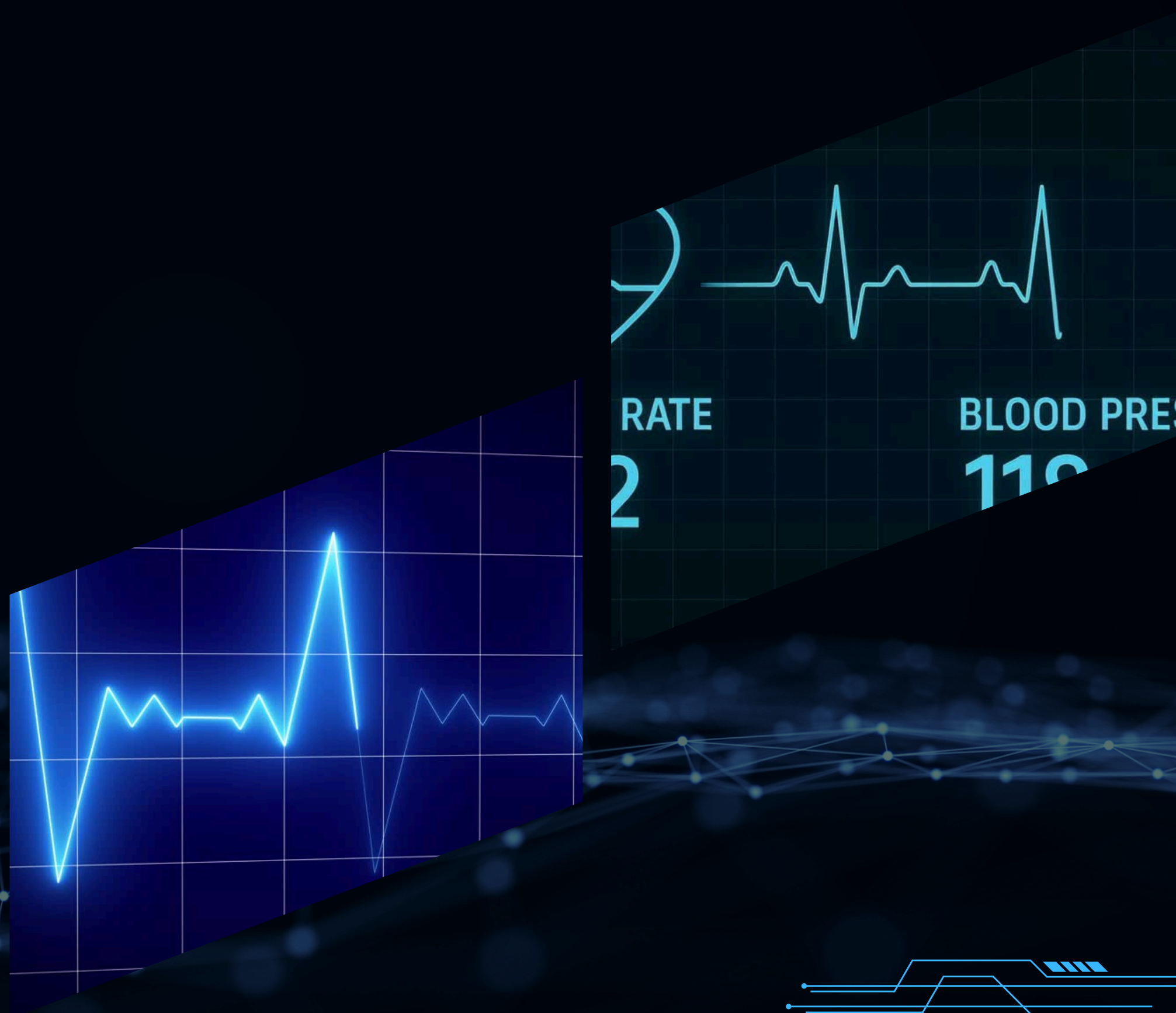


GET IN TOUCH

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THANK YOU

