



## PROJECT INTRODUCTION



# ARTIFICIAL INTELLIGENCE-BASED EQUINE RADIOLOGY DIAGNOSTICS

Ms Rugile Dauliute, CEO

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# EQUUSIGHT

## PROJECT INTRODUCTION

EQUUSIGHT is an artificial intelligence based radiology diagnostics tool in equine medicine. Automated pathology finding system eliminates human error in X-ray screenings. Product which combines computer vision with deep learning can deliver bias-free diagnosis in potentially crucial situations.

Our AI model is trained with data obtained from various veterinary clinics in Europe. Few hundred thousand X-rays have been used as a guidance in development of the algorithms. This massive number of training data assures that the model will cover various pathologies and screening angles.

### CORE FEATURE #1

#### AUTOMATED LESION DETECTION

Artificial intelligence (AI) is being broadly used in medical imaging. AI algorithms help human clinicians to reduce error rate, overlooked findings and increase accuracy. Innovations in veterinary medicine are also emerging and our project is first of its kind to work particularly on automated evaluation of equine radiographies.



### CORE FEATURE #2

#### INSTANT SECOND OPINION

Radiology images tend to lead to subjective findings. To build confidence in the diagnosis veterinarians need to delay the decision-making process to consult with colleagues, review articles, etc. Computer-aided findings are mastered on hundreds of thousands previously professionally DDx'ed cases and give immediate feedback on your patient.



### CORE FEATURE #3

#### RETROSPECTIVE STUDIES DISPLAY

To publish an article, loads of studies and literature need to be reviewed. Doctors therefore spend a significant amount of their time reviewing past images and collecting the data for their own research. EQUUSIGHT automates the process while providing lists and details of similar cases.



**WITHOUT  
EQUUSIGHT**



**WITH  
EQUUSIGHT**

# WHO WE ARE

## COMPANY INTRODUCTION

LP "Innovatio veterinariae" is a company that develops advanced veterinary technology solutions. It is based at a startup incubator "Startup Space" with the National Innovation & Entrepreneurship Centre's Science Valley in Kaunas, Lithuania.

Our core project - "EQUUSIGHT" - is an artificial intelligence-based system for automated horse x-ray analysis.

EQUUSIGHT was introduced at various national and international events, forums and conferences including those organised by the European Innovation and Technology Institute and world leading medical enterprise "GE Healthcare".

We obtained three partnerships with the biggest horse clinics in France, Denmark and a private veterinarian from Portugal, who were sharing their patient data. Enterprise is guided by a strong advisory board from a variety of players in the market including artificial intelligence specialists from "Oxit", diagnostic imaging software developers "Softneta" and equine clinicians across Europe.

Project got funded by European Union grant 01.2.1-MITA-T-852 „Inostartas“.



Kuriame  
Lietuvos ateitį  
2014–2020 metų  
Europos Sąjungos  
fondų investicijų  
velkėmų programa

## WE ARE INCUBATED AT THE KTU STARTUP SPACE INCUBATOR IN KAUNAS, LITHUANIA



# OUR PARTNERS

## AND WHO WE WORK WITH

Since the start of the project we have been partnering with different European Equine Clinics including Clinique Equine de Meslay in France, Høgård Hestehospital in Denmark and Clínica Do Almargem in Portugal.



**HØGÅRD**  
Hestehospital  
Odense



We have constant advice on product creation as well as approval of patient data records. Doctors from Lithuanian University of Health Science in Veterinary Academy in Lithuania are involved in the development and future testing of EQUUSIGHT.

# CORE TEAM

## INTRODUCTION

### **Ms Rugile Dauliute**, founder // rugile@equusight.com

Rugile is the founder of EquuSight. Rugile is a veterinarian and has well over 10 years' national and international experience working with horses as a rider, trainer and later on as a veterinary practitioner. She is the team's leader and subject matter expert coordinating partnerships and product development.



### **Mr Eimantas Macius**, founder

Eimantas is an IT specialist. He is a full-time software tester and programmer in international companies. He specialises in turning business needs into technical solutions.



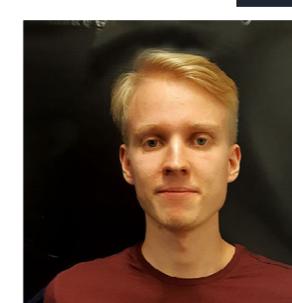
### **Mr Vilius Vaiciulis**, developer

Vilius works as a programmer mostly in developing back-end. He also works on another startup and evolves AI models.



### **Mr Martynas Bartkus**, developer

Martynas is a full time programmer who specialises in fronted and databases. He is a tech geek with years of experience in creating technologically driven solutions.



# PROJECT NEEDS

## AND REQUIREMENTS

1

### PACS Partners

We are seeking introductions to PACS systems manufacturers. Our goal is to integrate our solution into major PACS systems through APIs.

2

### X-Ray Partners

We are seeking introductions to X-Ray equipment as well as X-Ray software developers. Our goal is to find co-developers to ensure cross-platform performance.

3

### Investment

We are currently seeking private venture capital to obtain the financing required to produce the first fully-functioning version based on our prototype.



## CONTACTS



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