



U.S. Patent 62941150

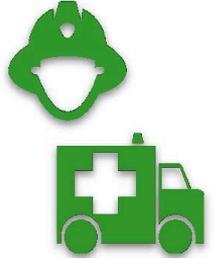
# MARUX

ma·roo | /mə'roō/

Star Trek had the Tricoder for patient vitals, but imagine if you could receive remote vitals, and emergency pre-diagnostics through an embedded software on any device.



Augmented intelligence enabled SaaS, for telehealth, medical responsiveness, and remote diagnostics.



First responders, emergency medical services (EMS), and emergency room (ER) hospital teams *do not have a software trainer-simulator that provides vital data on physical injuries for pre-diagnosis of emergency medical situations.*



There is a great disparity of health workers in rural and urban areas *which leads to difficulties in receiving remote diagnostics, and vital signs of in-home patients on a timely basis.*



Enables real-time data by Augmented-Intelligence, and telematics for medical assessments, and pre-diagnosis of transportation occupants in an emergency or non-emergency situation

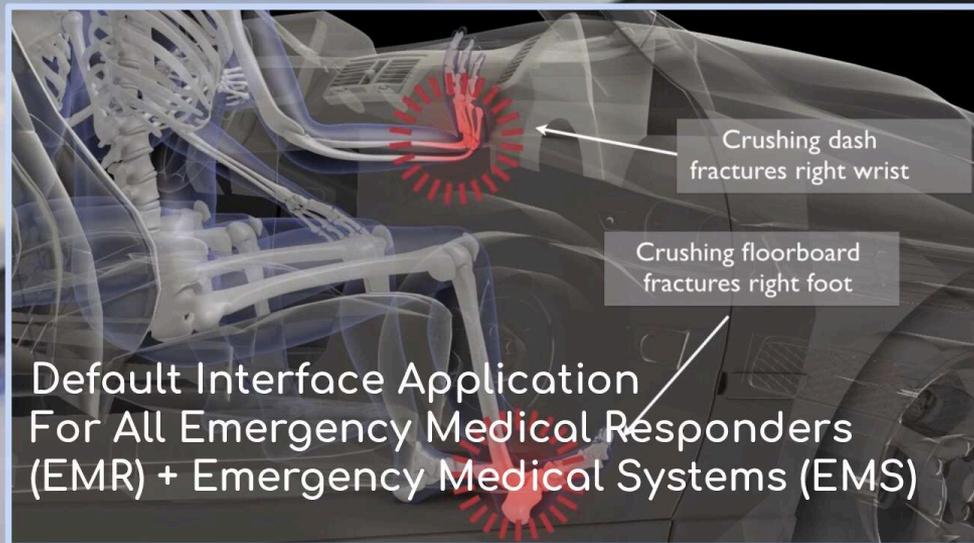


Connects a Extended/Cross Reality (XR) platform interface that helps train first responders, and health professionals in all medical assessment situations



Enhances Augmented-Intelligence of telehealth data by Remote Diagnostics and Monitoring—in emergency or non-emergency situations





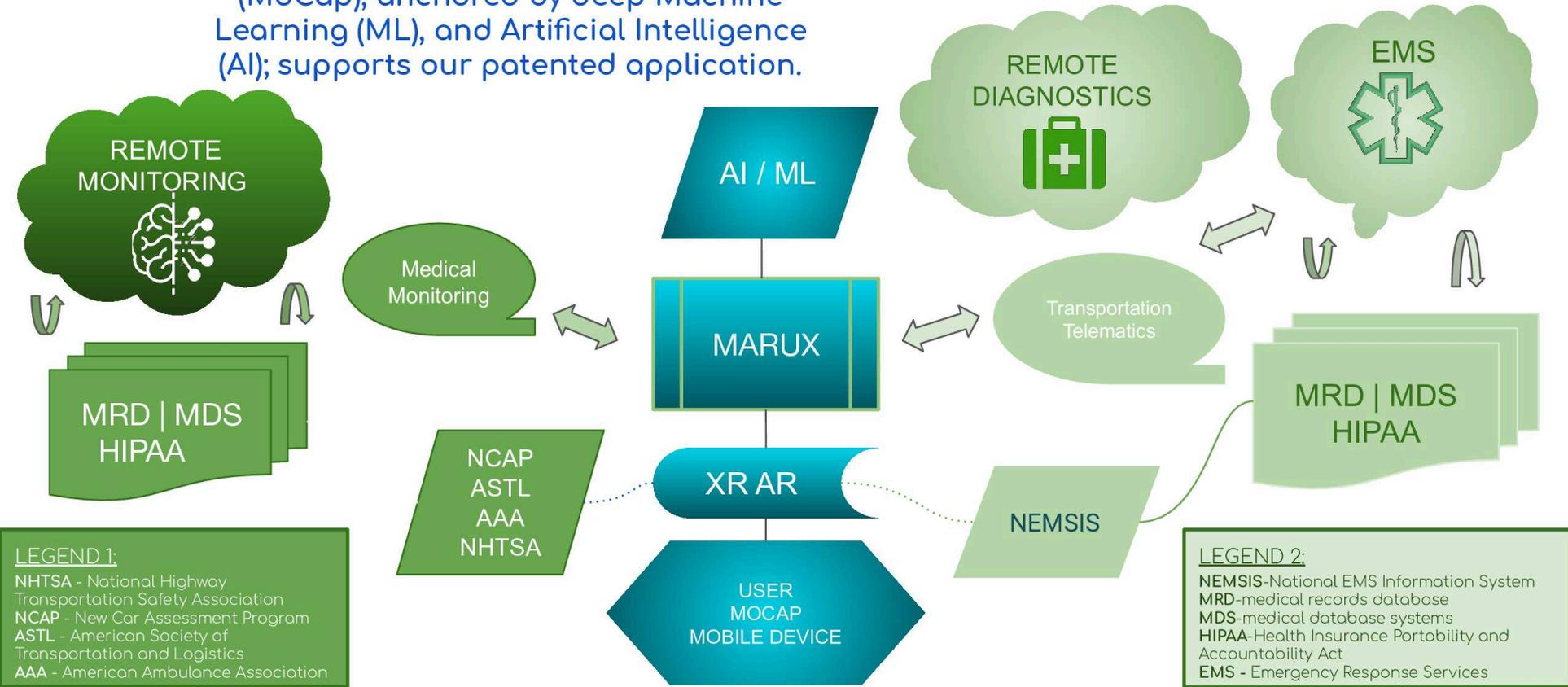
Deep Machine Learning and Artificial Intelligence feedback  
for Remote Diagnostics and Remote Monitoring



# UNIQUE APPLICATION

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Cross-reality (XR), Motion Capture (MoCap), anchored by deep Machine Learning (ML), and Artificial Intelligence (AI); supports our patented application.



## LEGEND 1:

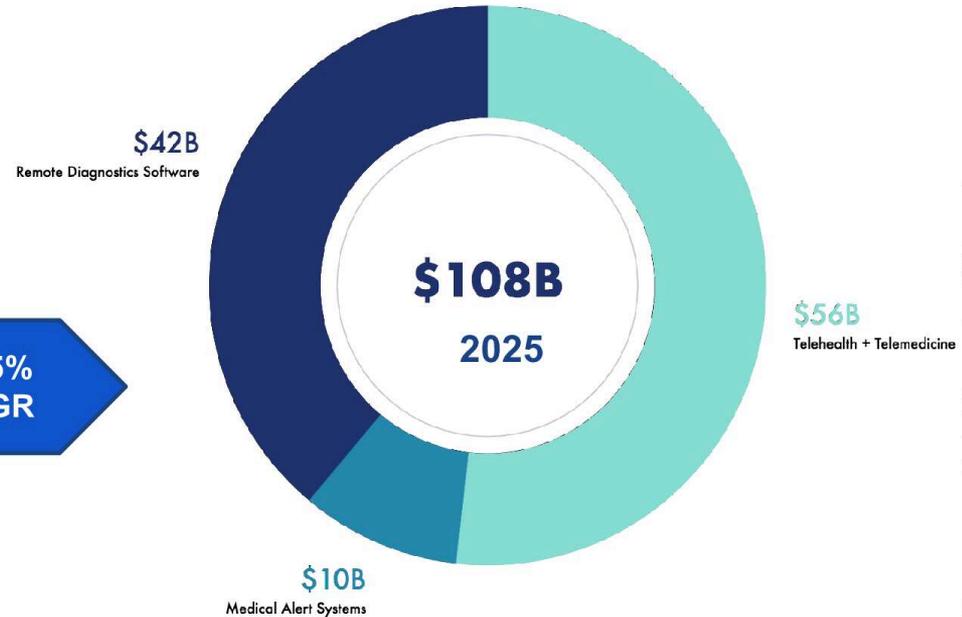
NHTSA - National Highway Transportation Safety Association  
NCAP - New Car Assessment Program  
ASTL - American Society of Transportation and Logistics  
AAA - American Ambulance Association

## LEGEND 2:

NEMSIS-National EMS Information System  
MRD-medical records database  
MDS-medical database systems  
HIPAA-Health Insurance Portability and Accountability Act  
EMS - Emergency Response Services

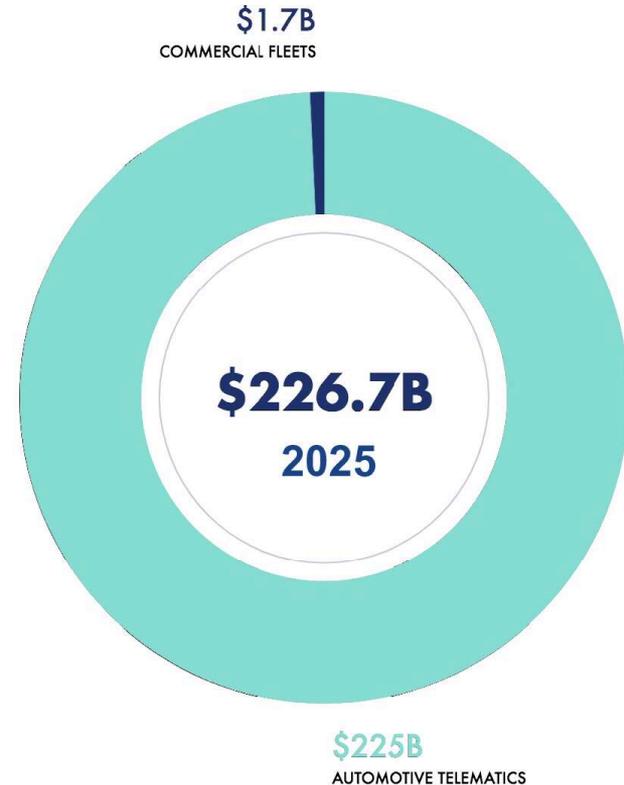
Remote Diagnostics +  
Telehealth/Telemedicine +  
Medical Monitoring Systems -

*Currently Valued at \$57B*



Automotive Telematics (embedded) +  
Commercial / Fleet Telematics -

*Currently Valued at \$80.5B*



Our model is a blended SaaS-based Business Intelligence (BI).

We charge a 4-Tiered Subscription between \$300 to \$600 / annually; plus Enterprise Level Licensing Set-up fees.\*



Single Use Transportation  
Telematics  
Commercial + Existing/New  
Vehicles



\$80B

EMS Responders +  
Emergency Rooms /  
Hospitals



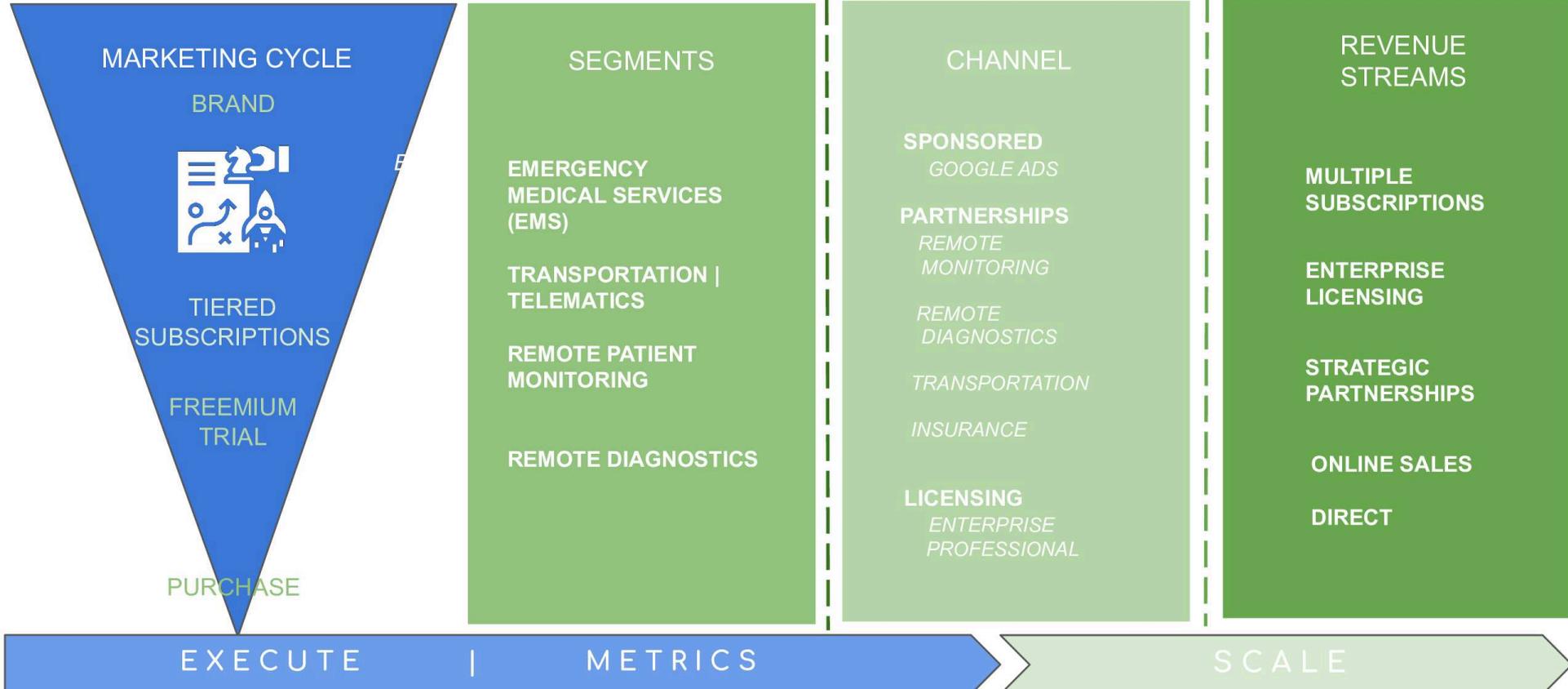
\$500M\*

Remote Medical Monitoring  
Patients + Senior Living  
Center Users



\$57B

# GO-TO-MARKET STRATEGY



MARUX	COMARCH	 <small>Advancing science for life™</small>			
Real-Time Data Cloud-based	Cloud-based e-Care	Cloud-based Heart-Logic	Cloud-based	Real-time Chat-based No Cloud	EMS reporting+accounting only
Machine Learning (ML) Artificial Intelligence (AI) Remote Diagnostics	AI - Remote Care Services	AI - Heart Failure Diagnostics	AI for Cardiac Diagnostics	AI for Collection of Patient History	No
Machine Learning (ML) Artificial Intelligence (AI) Remote Monitoring	ML for connected Medical Sector	AI - Remote Monitoring Solutions	No	No	No
Embedded SaaS Solution Multi-device	No SaaS Wearables only	No	Limited SaaS Cardiac only	No	No
Cross Reality (XR); EMS deployable	No	No	No	No	No

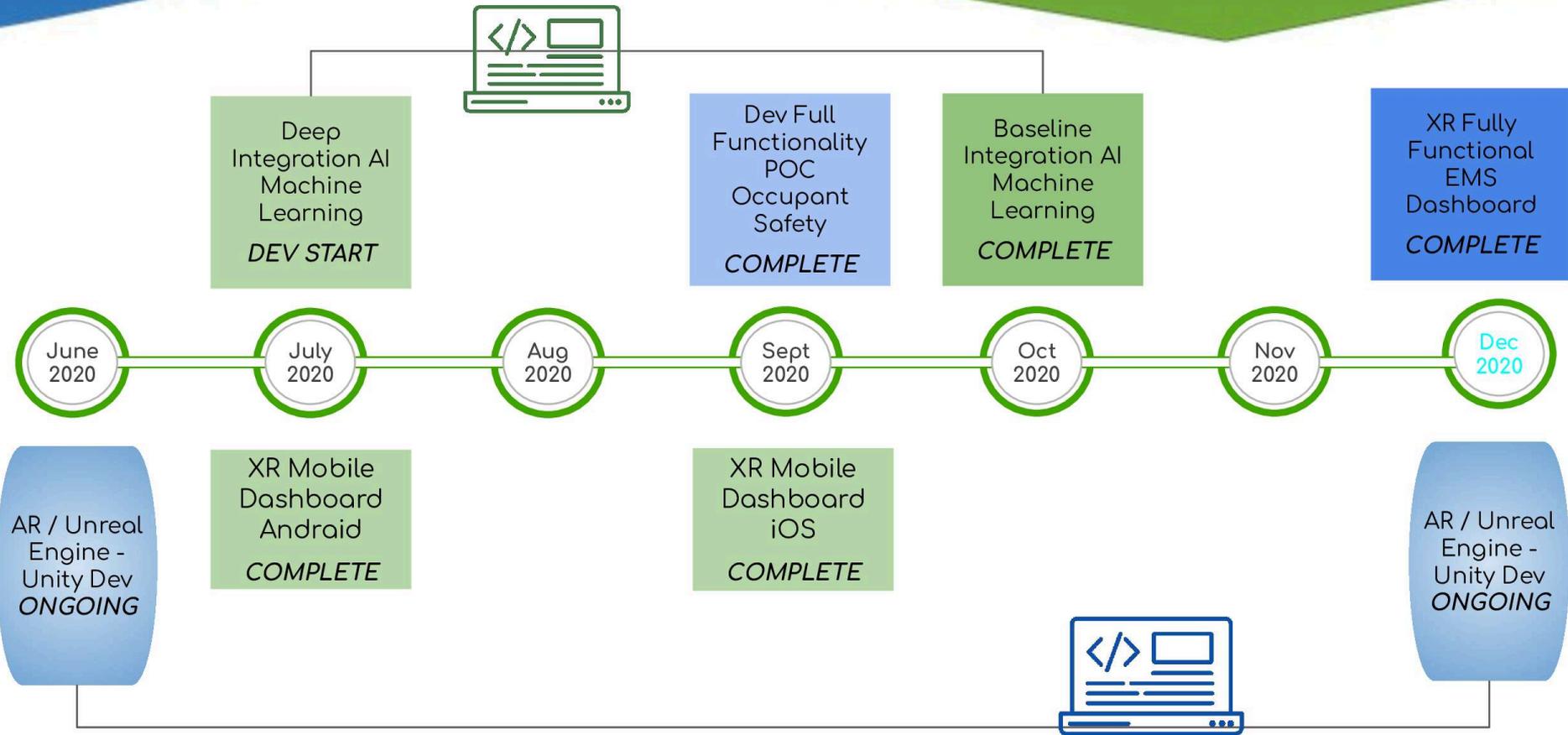
GENDER: FEMALE  
AGE: 73  
STATE: IN DISTRESS  
DIAGNOSIS: POSSIBLE  
HEART ATTACK  
VITALS: 105 HR; TEMP: N

Able to capture standard 2D video from any device, and transform into data points with animated markers of the physical movement or facial recognition movement.

Augmented analytics, A.I. data algorithms, and deep learning data for biomechanics and kinesiology sets for head and neck injuries.



# MILESTONES





**JONATHAN Lightning**  
Rayos - CEO | CTO Founder

Has the superpowers of seeing into the deep future. Ability to design, code, transform, and lead a team for digital transformation. Founded three technology companies in media, and hardware. Two successful exits & design patents. Self taught in JavaScript, Python, Unity. Passionate and self-trained in golf, triathlons, snowboarding, and simulation racing.



**MICHAEL D'Orazio**  
COO | Co-Founder

With the superpowers to build and connect. Has a vast expertise of centralizing teams of auto-mobility users. Founded a leading consulting firm for the OEM and Tier-1 sector in services, solutions, and systems applications. Passionate about Italian culture, classic cars, motorcycles, and family.



**ROSE Pizzo**  
CCO | Co-Founder

Brings an the superpowers of energy and creative strategy. Has led several OEM automotive launches and money saving process improvements. Leads with strong business intelligence and analytical skills. Passionate about all things automotive, especially Formula-1 motorsports.



**Dr. Paul Kruszewski, Ph.D**  
A.I. | Machine Learning Advisor

Founder of wrnchAI platform; processes digital images from cameras and videos using deep learning models to detect humans in images, His mission is to enable computers to see, understand, and respond to humans in the same way that people do



**ILYA Gandzeychuk**  
Lead Software Engineer

With a comprehensive experience in technology consulting, software development, and enterprise solutions. Leads scalable team in continuous digital transformation. Extensive experience in Unity, Unreal Engine, AI, XR, AR, IoT, Cloud, Augmented Analytics, Data mining, Optional character recognition.



**LARRY Gambatto**  
First Responders Advisor

Over 15+ years as a firefighter, first responder, hasmat lead, Engine Company Captain. Currently one of the State of Michigan's lead firefighter trainers.

# BOARD OF DIRECTORS

## ADVISORY | TEAM



**Dr. KELLY Dinnan, D.O.**  
Medical Advisor

American Medical Board certified specialist in general surgery, Over 12 years in acute care surgery with a special interest in critical care and emergency general surgery. Board certified in general surgery and surgical critical care. Fellow of both the American College of Surgeons and of Osteopathic Surgeons.



**Dr. KENNETH E. Paik, M.D.,MBA**  
Machine Learning + Digital Health

Harvard, MIT trained clinical informatician, with specific expertise in big data analytics, health technology strategy, and mobile health. Unique multidisciplinary background in medicine, machine learning, and technology. Passionate about driving improvements in healthcare access + quality by leveraging innovative digital health technologies.



**JUAN Sebastián Osorio**  
Valencia AI + Digital Health

Biomedical engineer with a master's in biomedical computing from MIT. Co-editor of the books Global Health Informatics, Principles of eHealth and mHealth to Improve Quality of Care (MIT Press, 2017), and Leveraging Big Data in Global Health (to be published by Springer Nature in 2019).

### A. \$1.07M for 10% Long Term Equity Shares of MARUX, LLC.

- Dev capital for approximately 1900-2500 of specialized development hours; plus machine learning database integration, and remote monitoring artificial intelligence onto cross-reality visuals; 2 year burn-rate for market development and operations.

### B. \$525K Short-term loan @10% payable within 2-years with 4% Equity

- Pilot launch of remote diagnostics with integrated artificial intelligence onto cross-reality visuals and real-time dashboard; 1 year burn-rate for market development and operations.



\$1.07M

\$525K





# WHERE TO FIND US

M-edical  
A-ugmented  
R-esponse  
U-nreal  
X-perience

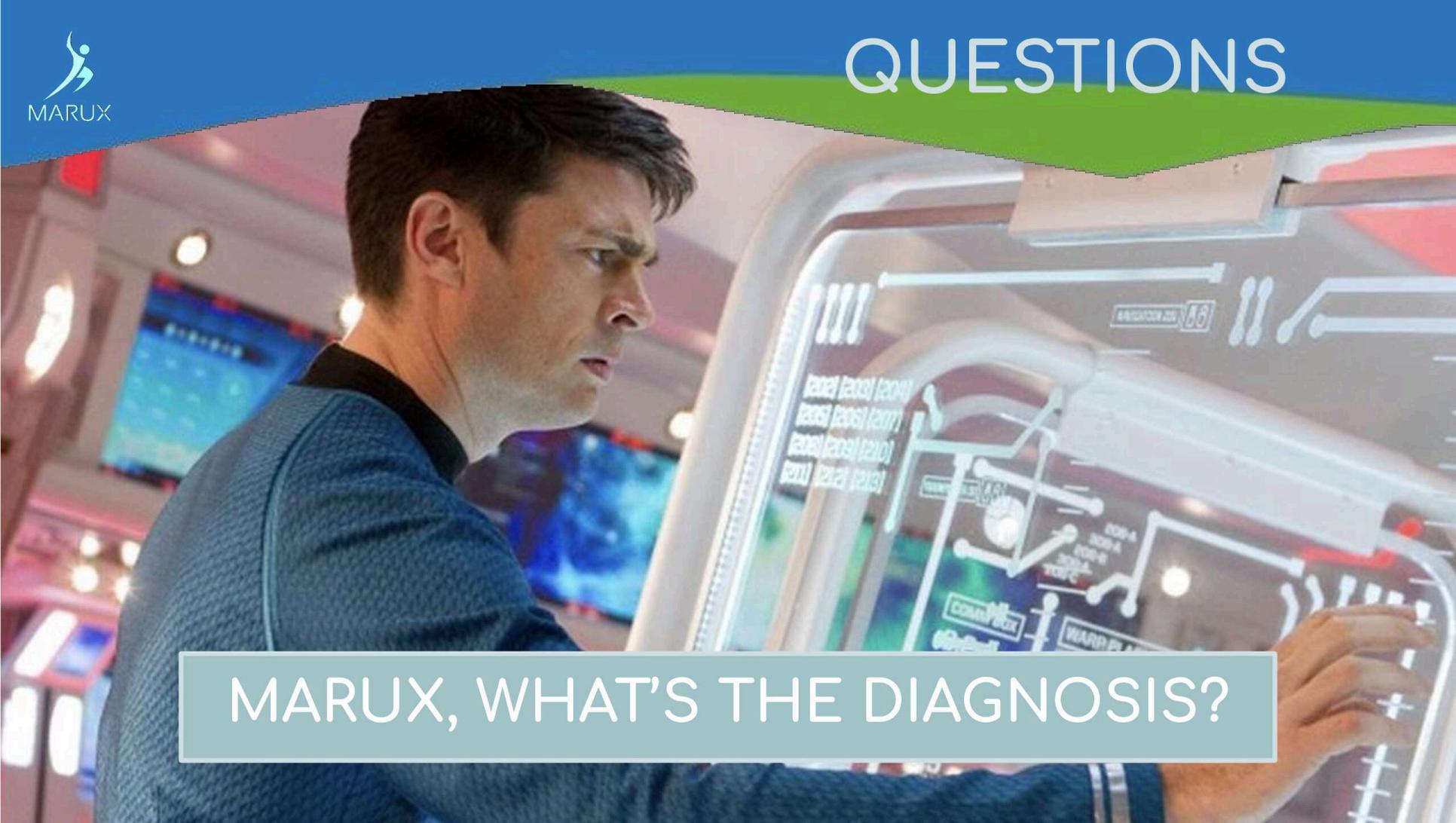


JAX & DIESEL



ZARA

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MARUX, WHAT'S THE DIAGNOSIS?