

caire

Democratizing Efficient Health Monitoring

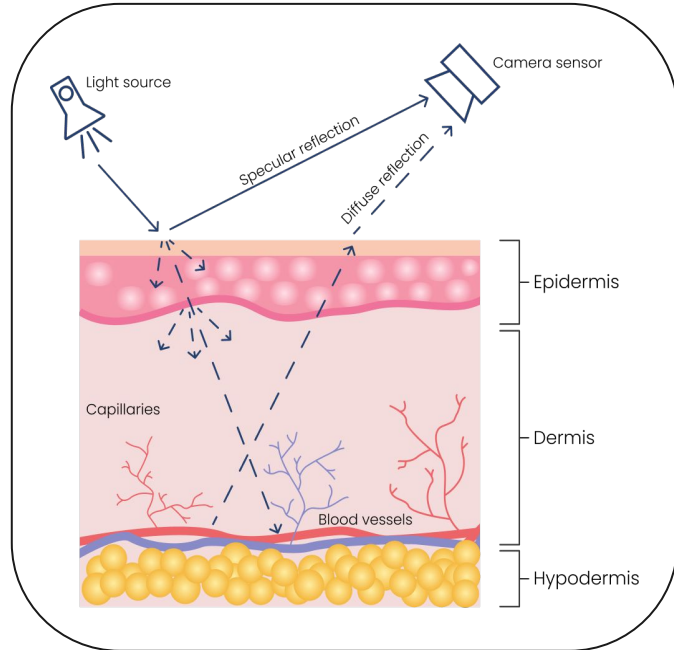
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Dynamic face extraction

Press on the  
slide to play  
the video

# Face color change amplification with AI

*r-PPG technology simply explained*

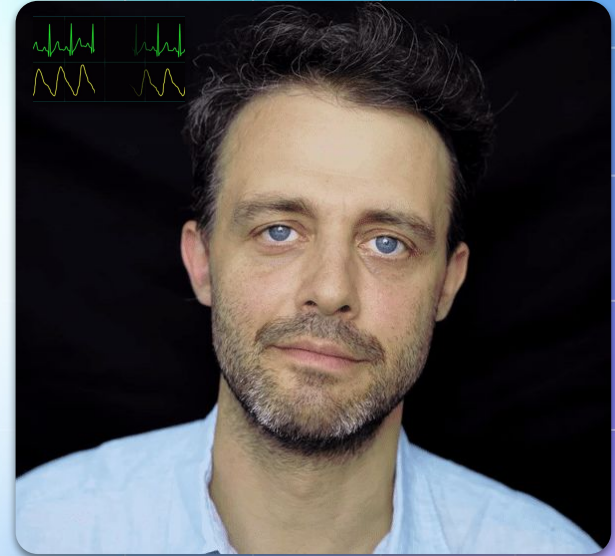


Heart Rate

Blood Pressure

Oxygen Saturation

Respiration Rate



Face seen by the AI after color change amplification

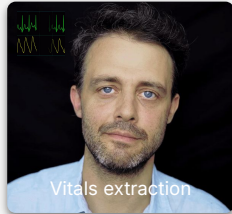
# What's Next?

The future of health monitoring powered by Caire

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Today

Vital signs Extraction and monitoring



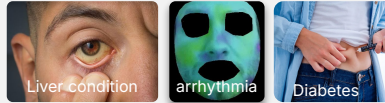
- Faster Vitals Extraction
- Available anywhere
- Accessible to anybody
- Digitally connected to E-health

→ Reduces over 10min per person during triage at emergency  
→ Increases access to

In 2 Years

Diagnostic and screening

Next supported features in pipeline



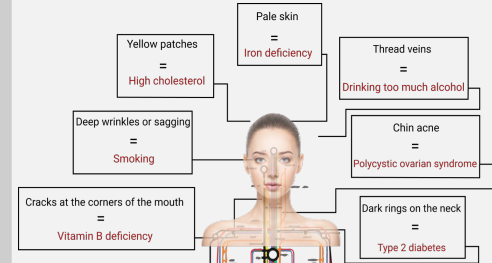
Brain stroke risk: Caire current study at Klinikum rechts der Isar



- 9.3% of world population are diabetes patients
- 0.51% of world population suffer Afib (Cardiovascular diseases are the leading cause of death worldwide)
- 15 million stroke case worldwide every year (Fifth leading cause of death worldwide)

In 4 to 6 Years

Early detection and preventive healthcare



Caire Face Map  
Facial symptoms and their related conditions

Caire profiled over 100 medical condition that could manifest a facial symptom

# General Problem

## Challenges of remote health monitoring



### Blood Oximeter

*Needs an expert for interpretation.  
Not convenient for continuous  
monitoring  
Takes around 1 minutes  
20-30 euros*



### Cuffed Blood Pressure

*Needs a professional to use and  
interpret results  
No support for continuous monitoring.  
Takes around 2 minutes  
20-40 euros*



### Health tracker

*Supports continuous monitoring.  
Does not necessarily have all  
features.  
100-300 euros*

**Hands-off experience  
with self operating mode  
is not possible with  
existent devices**

# Caire In The Hospital

*Easier, Faster Care*

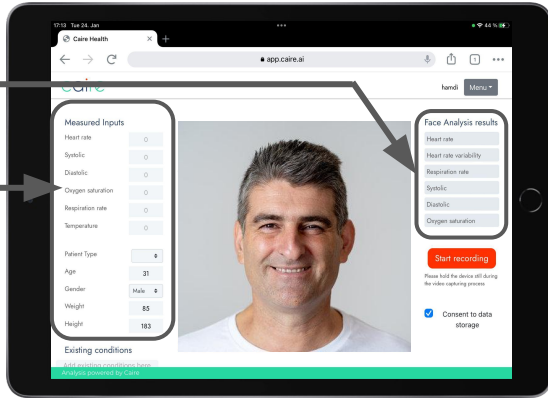


# Reliability and Accuracy

## A medical grade solution

Caire Predictions

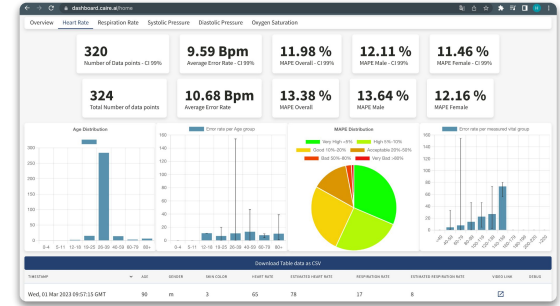
Study Nurse Input from conventional measurement tools



Clinical validation that expands to 5 hospitals from 2 different continents



## Building Trust Through Clinical Validation: Live Statistics and Performance Report



Increasing IP Footprint Through Data Ownership: Clinically Labeled Data for AI model training

**3028**

Total Number of data points



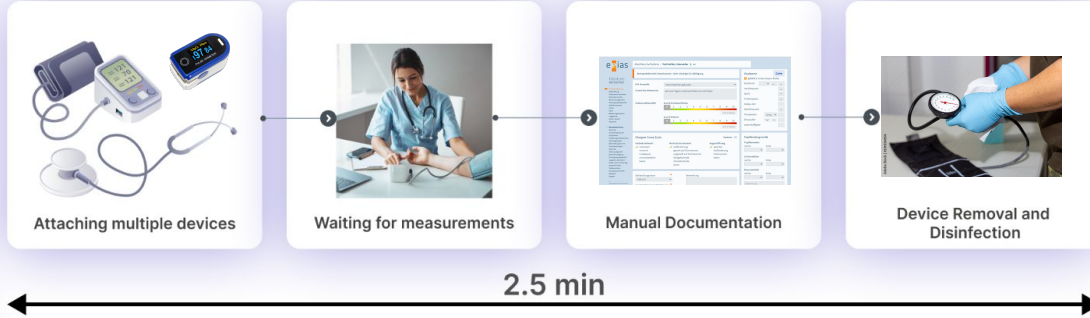
Clinical trials for the CE certification. Scientific valorization through research papers.

# Saving 80% of vital signs measurement time

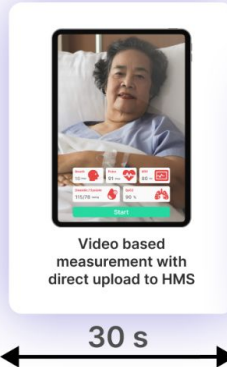
START OF TRIAGE

END OF TRIAGE

## Current Workflow:



## CAIRE Workflow:



Caire's AI extracts vital signs completely contactless from the video of a patient's face and sends the results to the patient data management system. This turns any smartphone, tablet or webcam in a clinic into a mobile vital signs station.



# Saving 4k work hours for Fürth emergency department



# Caire In Cars

*When Driving Becomes Healthy*



**It's More  
than a Car**

# Enabling Security with Caire

## Passenger Monitoring - WSR



# Enabling Caire

*A car that caires!*

## Driver Monitoring Solution Suite AFC & APM



Full Video  
Here

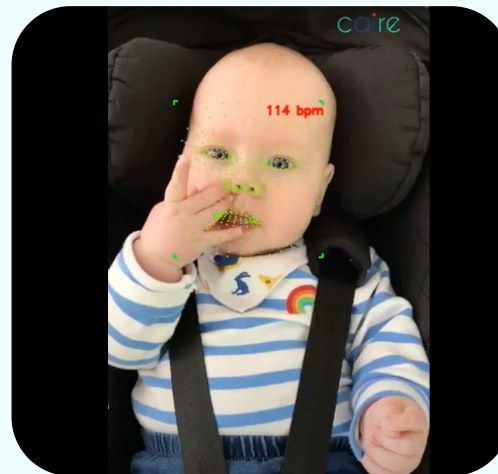
### **AFC - Ace Fitness Check:**

*Ensures the driver is in optimal condition before starting the journey*

### **APM - Ace Performance Monitoring:**

*Continuously monitors the driver's health throughout the journey to prevent any health episodes.*

## Passenger Monitoring Solutions WSR



Full Video  
Here

### **WSR - Wingman State Reporter**

*Continuous passenger monitoring throughout the driving journey*

# Timeline



2024

2025

Nov Dec Jan Feb Mar Apr Mai Jun Jul Aug Sep Oct Nov Dec

### 14 Months Outlook

#### Product Development



#### Medical Certification



#### Commercialization



# Complementary team



**Daniel Angloher**  
Chief AI Officer

- Over 5 years of experience in building AI products.
- Master's in Robotics from TUM, Germany



**Hamdi Belhassen**  
Chief Executive Officer

- 10 years of experience with direct investment in growing 2 startups from scratch
- Master's in Computer Vision from ENSI, Tunisia



**Mohtadi Ben Fraj**  
Chief Technology Officer

- Over 5 years of experience in building internet startups in Colombia and USA



**Dr. Houda Daaloul**  
Chief Medical Officer

- 7 years experience in medical research and product validation in Chronobiology from Caen, France



**Oussama Tekaya**  
Chief Data Officer

- 13 years in product design and office management for an AI company
- Bachelor in Business & Product Design from College Lasalle, Tunisia

**3 more to  
Come!**

40 Years of Combined Experience Building Products in a Startup Environment



# Support network and advisors



**Prof. Dr. Harald  
Dormann**



Director of the Emergency  
Department at Klinikum Fürth

- Pilot testing of Caire technology in the ED
- Understanding the needs of the requirements for the integration in the hospital



**Andreas Heine**

McKinsey  
& Company

Startups Advisor at  
Technische Universität  
München TUM & Ex McKinsey

- Introductions to hospitals and hospital management systems
- Accessing new markets