



# AJPROTECH

PRODUCT DEVELOPMENT FROM IDEA TO MASS PRODUCTION



is an award-winning IoT Product Development studio partnering with clients to develop & manufacture new Consumer electronics, Internet of Things, and Wearable devices



[About us in 1 minute](#)





Research & Development



Electrical Engineering

# Our expertise



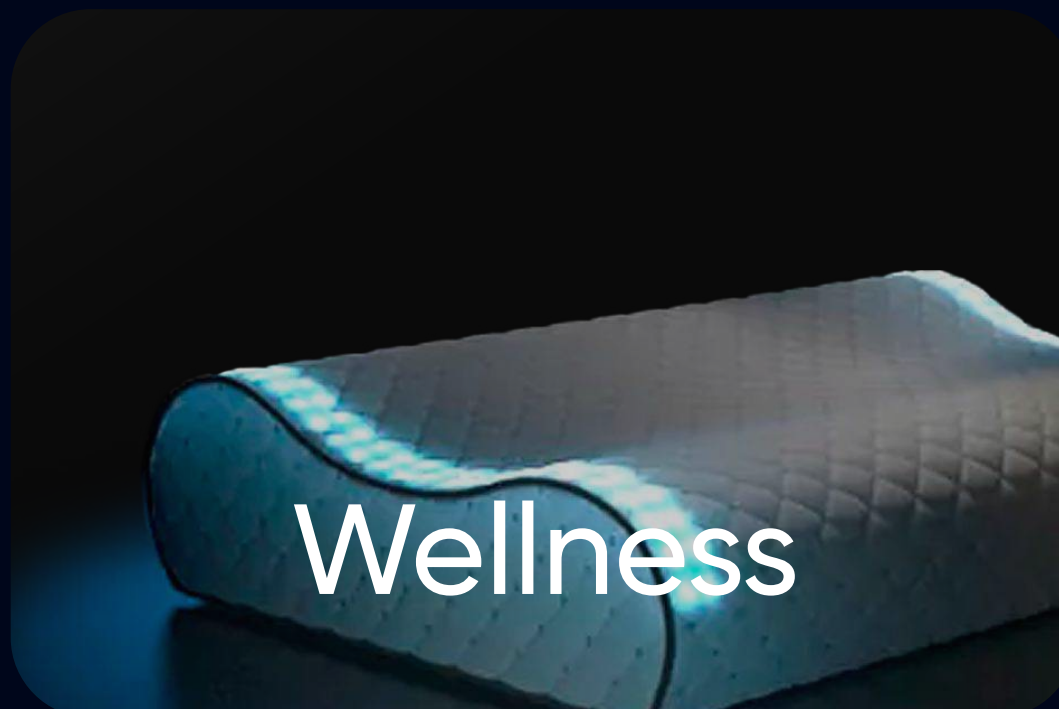
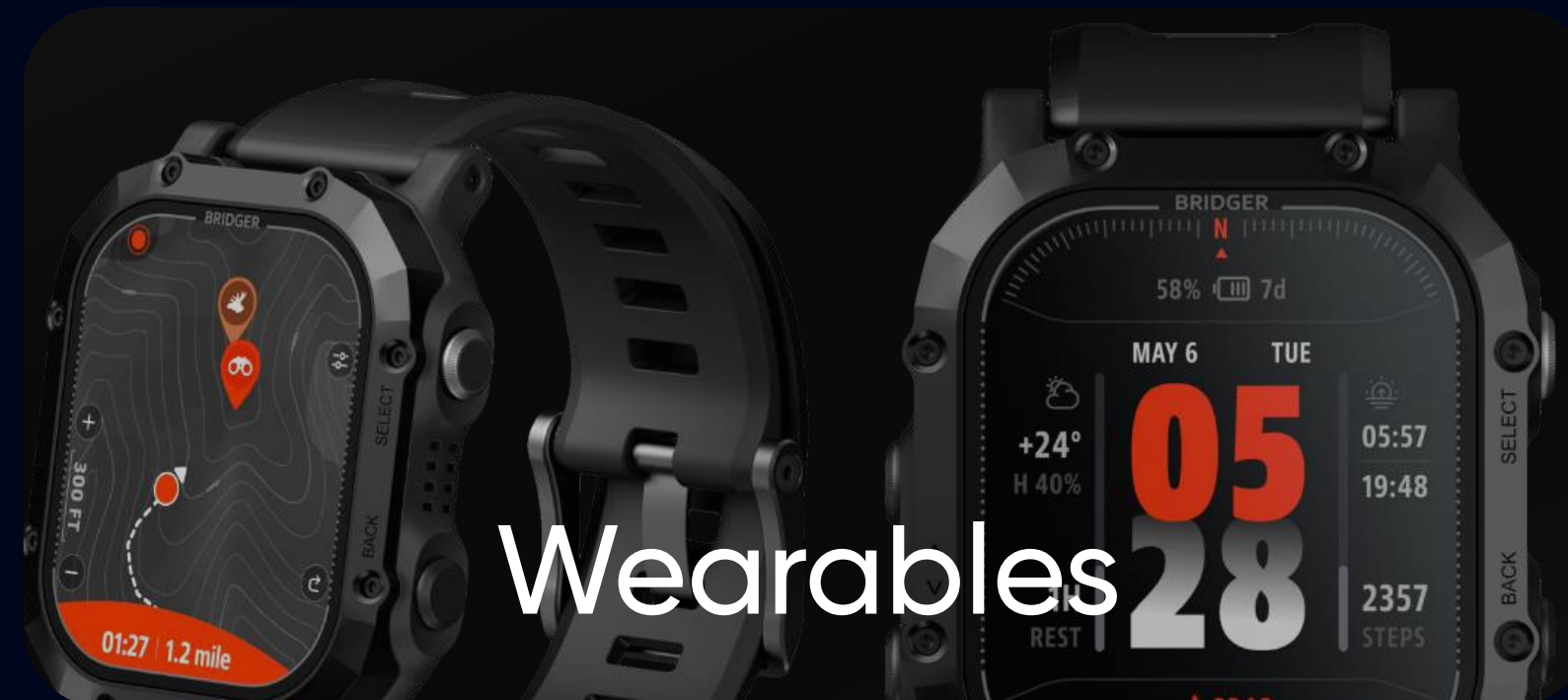
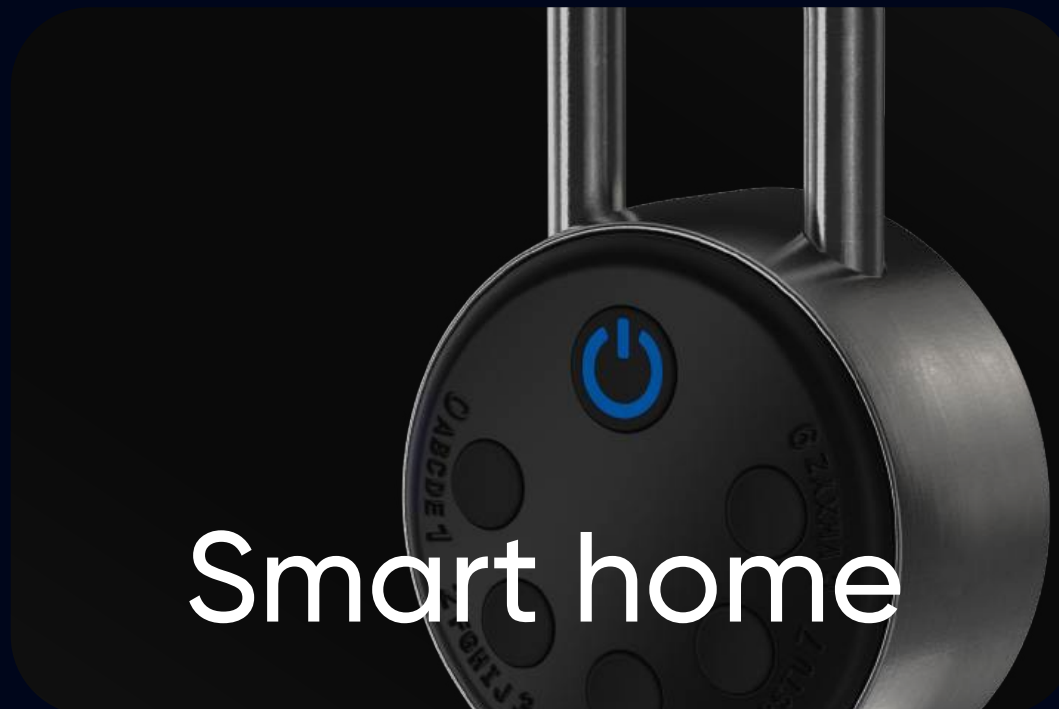
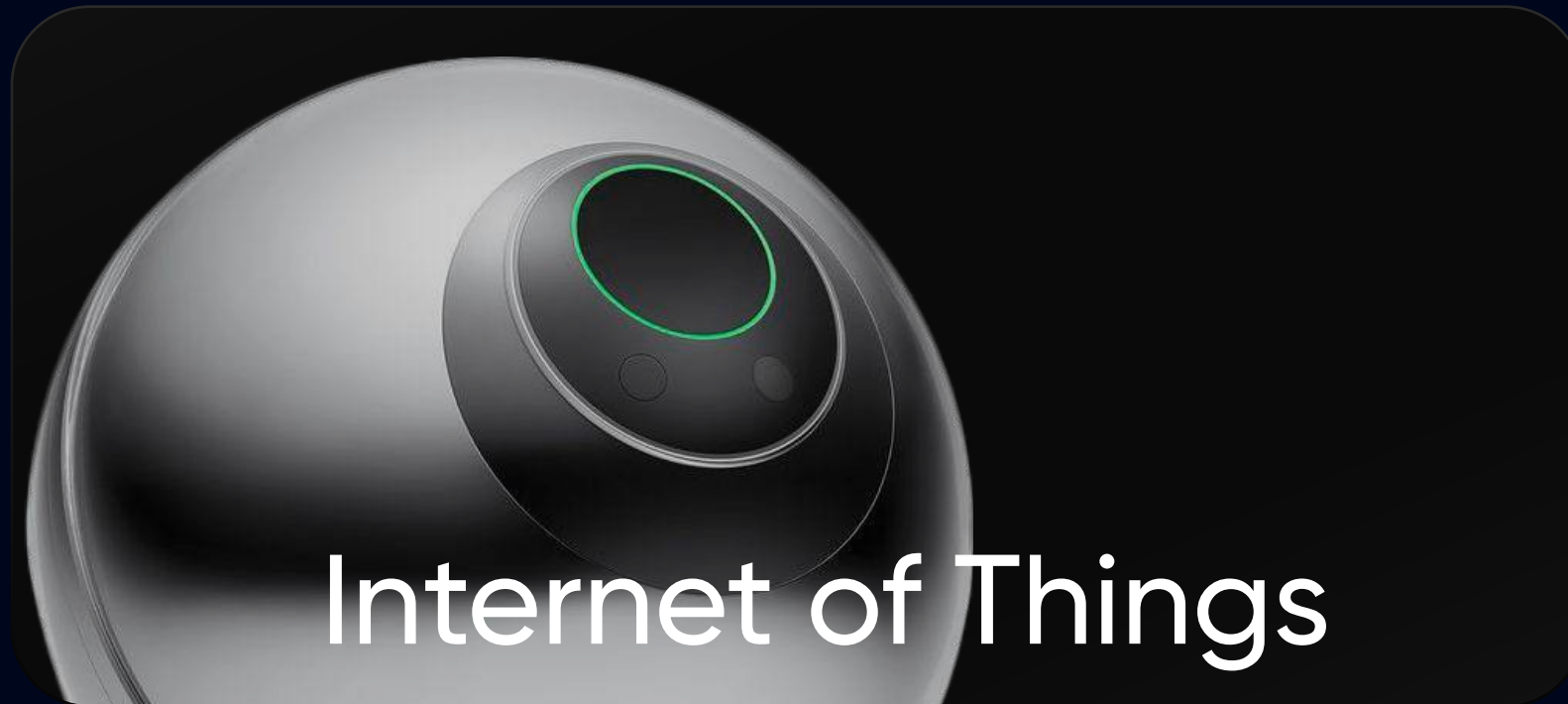
Product design &  
Mechanical engineering



Design for Manufacturing &  
Production Support



# Industries we serve







# Research & Development is the foundation for your product

- # Feasibility study
- # Technology analysis
- # Cost estimate
- # Proof of Concept
- # Rapid prototyping

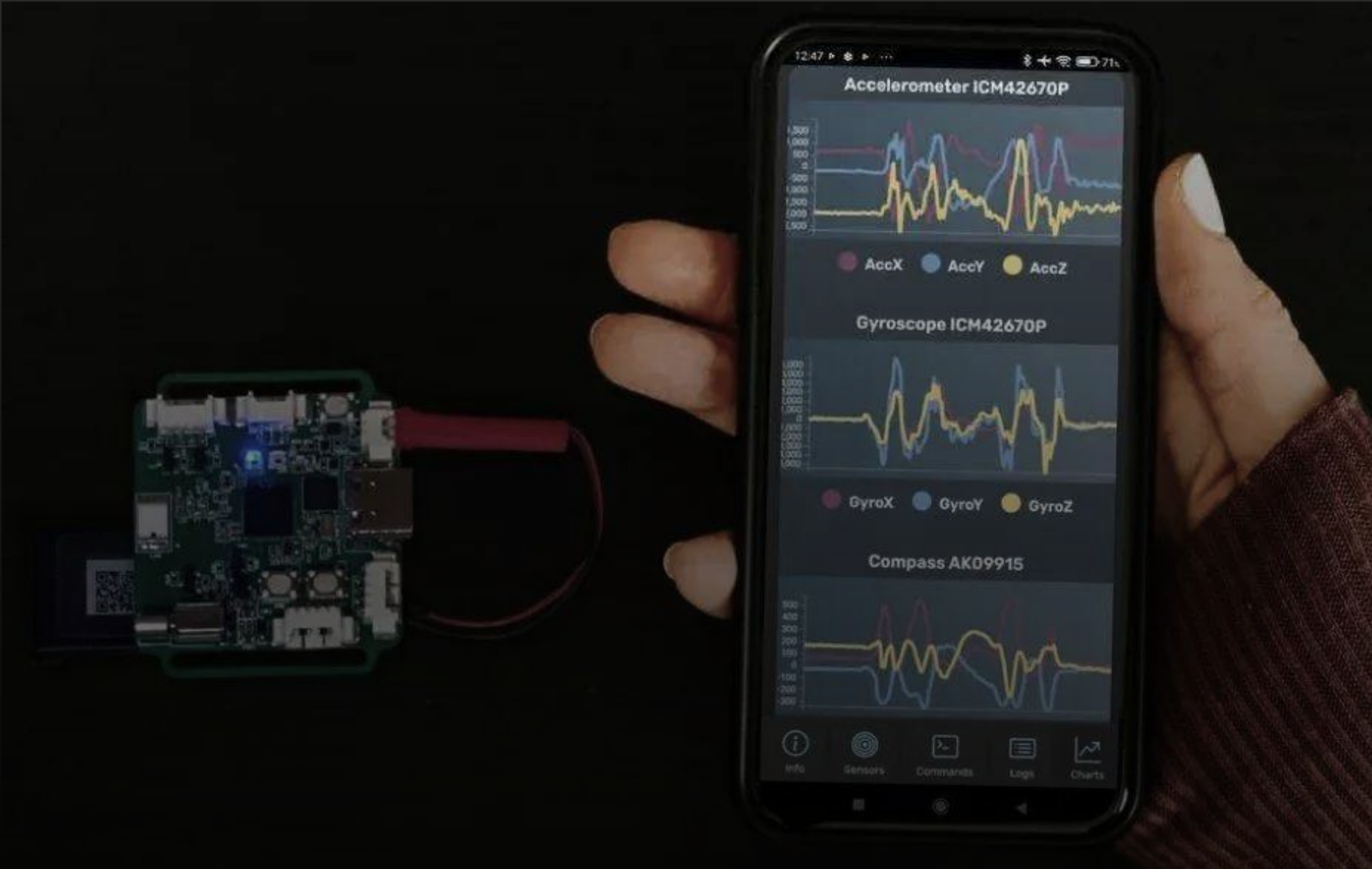


# Engineering is an essential part for product success

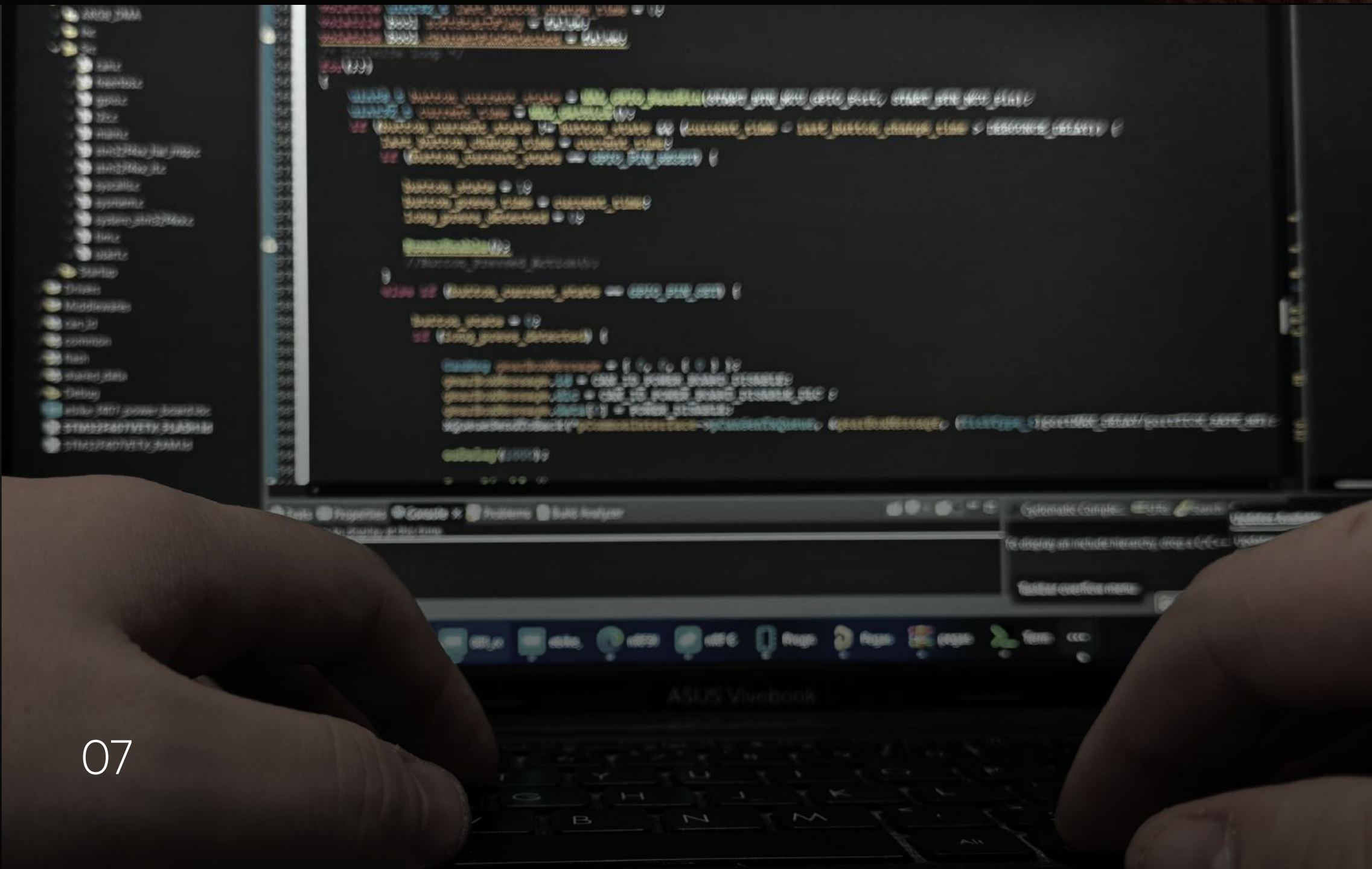
- # Electrical engineering
- # Mechanical engineering
- # Firmware development
- # PCB design
- # Low Power devices
- # Wireless interfaces (BLE, Wi-Fi, LORA)
- # Engineering Validation (EVT)





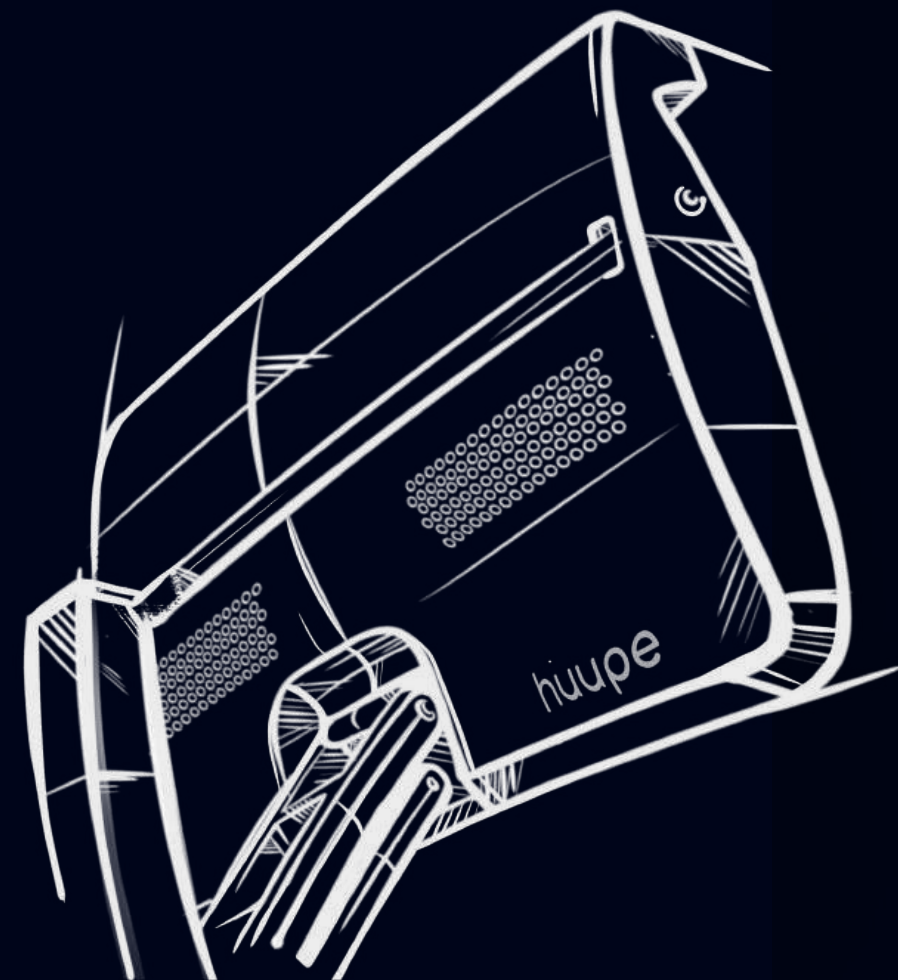
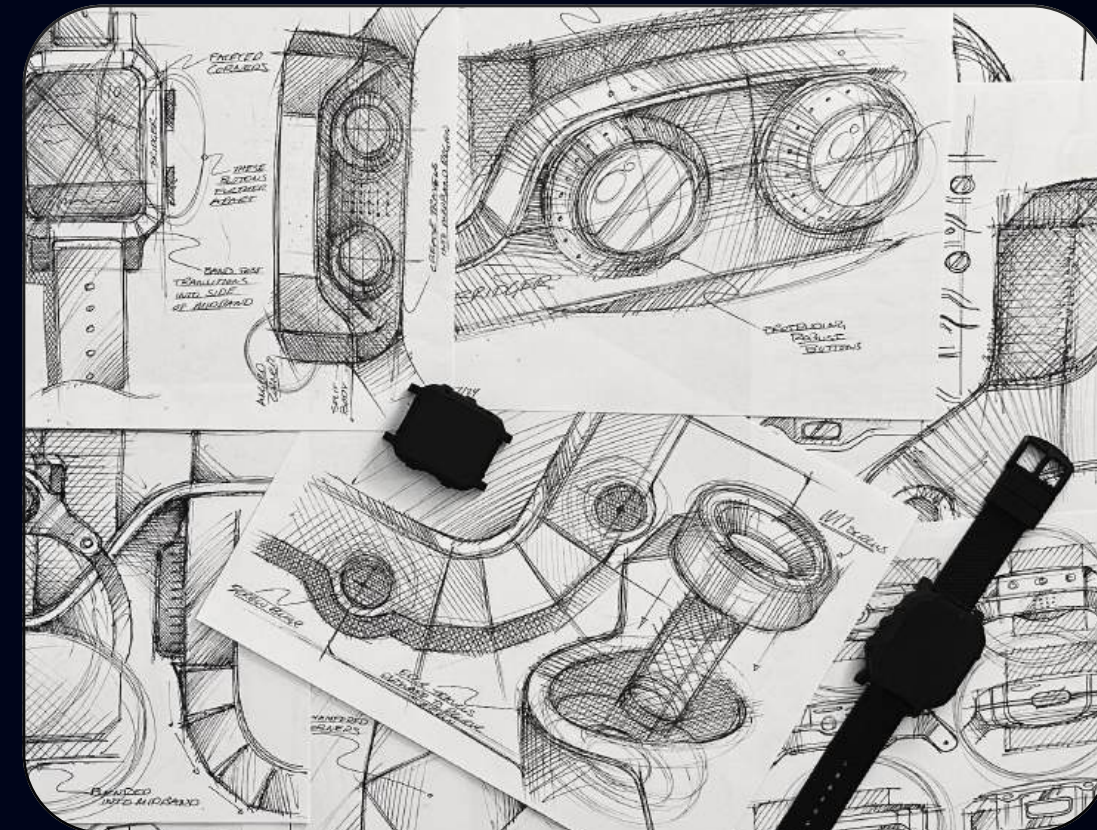
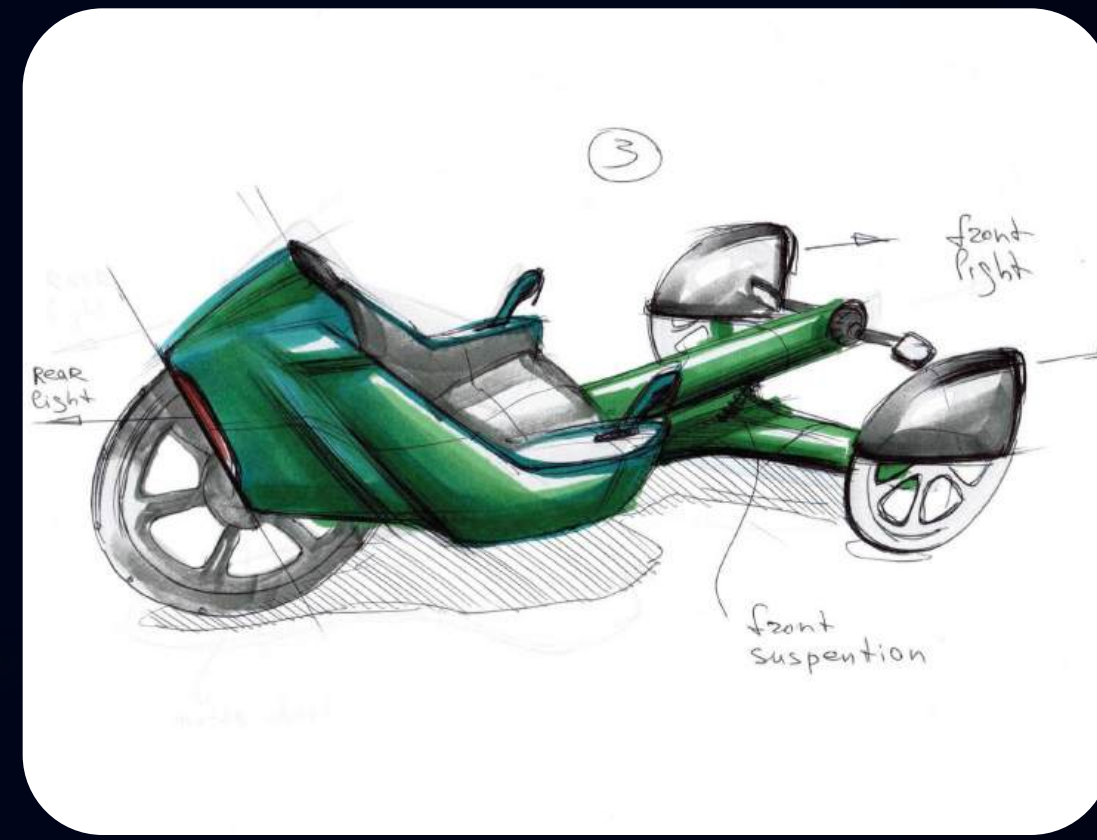


# Software Development to make your device smarter and connected



- # Connected IoT Mobile Apps
- # Computer Software
- # Backend Systems
- # UI / UX





# Product design to make your device stand out

- # Industrial design
- # Mechanical engineering
- # Plastic enclosures
- # Metal and alloys
- # 3D printing
- # Silicon Molding
- # Rapid prototyping
- # 10-500 units initial batch



# Design for Manufacturing to build your product at scale

- # Low volume production in house
- # Contract Manufacturer selection
- # Tooling design
- # Production support
- # Compliance testing





# Our award -winning projects



Recumbent electric tricycle



Smartwatch for hiking trails



# Our award-winning projects



Smart basketball hoop



Music creation platform



We are  
trusted  
by brands



Smart mini  
basketball hoop



Biometric device



Biofeedback VR  
headset



# From idea to mass production



Dental health  
device



IoT padlock with  
mobile apps



Sleep Therapy  
device



We are  
trusted  
by brands



Industrial bluetooth  
headphones



Neurofeedback  
EEG device

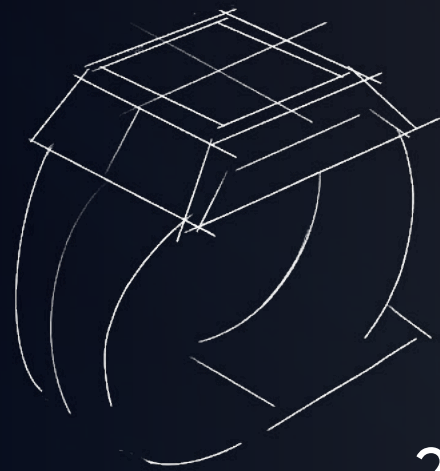


VR kinetic tracker



# Proven track from idea to mass production

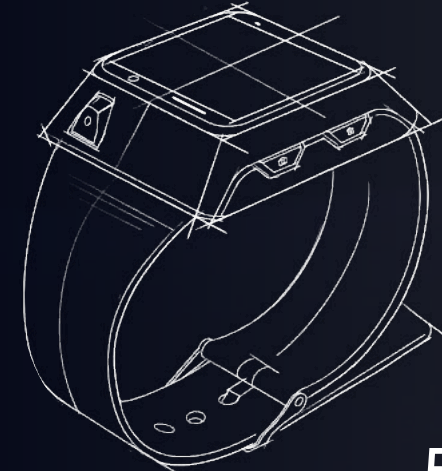
## 01 Feasibility study



2 - 3 months

- Solution research
- Product Specification
- Component selection
- Early industrial Design
- Cost estimate

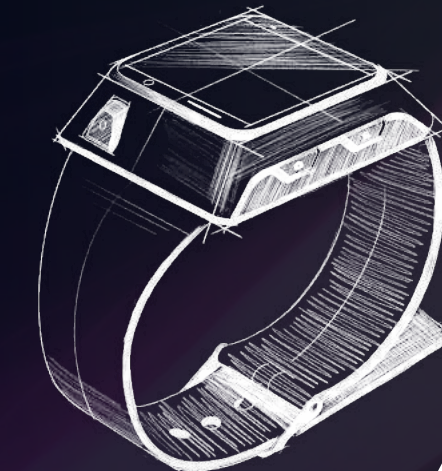
## 02 Engineering Validation



5 - 7 months

- Detailed engineering
- Industrial Design
- Electronics development
- Embedded firmware
- Mechanical design

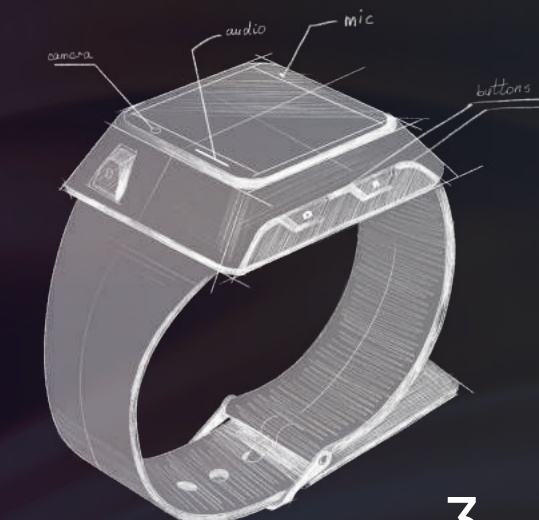
## 03 Design Validation



4 - 5 months

- Select Manufacturer (CM)
- Design for Manufacturing
- CMF (Color, Materials, Finishing)
- Electronics design ECO
- Firmware / Software finalization
- DFM for Mechanical parts

## 04 Production Validation



3 - 4 months

- Supply chain optimization
- Final tooling for all parts
- Prepare Functional tests
- Create test jigs
- Fault and yield review
- Order parts for first batch





# Alex Gudilko

CEO, AJProTech

Engineer, Tech entrepreneur, Angel Investor

- 15 years of experience in Product Development for IoT gadgets, Consumer Electronics and Industrial systems
- Forbes Technology Council Expert
- Mentor at Plug & Play Tech Center

# Startup mentorship

# Advisory board

# Investments



# Recognized by



# Development partnerships





# Our clients

We are trusted partner for world best startups and industry leading global companies.

**ExxonMobil**

 **HYUNDAI**

 **UNITED STATES  
POSTAL SERVICE**



 **Guardio**  
PERSONAL PROTECTION INNOVATION

**WR**  
WIN REALITY

**huupe**

**ABOM**

 **WORLDCOIN**

**40** Years of Zen

**TERRAGLIDE**

**MROSUPPLY**  
TRUSTED SINCE 1898™

**fedora**

*Dave Asprey*

**sound  oasis®**  
sleep better. feel better. live better.®

Our clients raised over \$300M from world top Venture Capital funds and crowdfunding platforms.



# Contact us



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