



**actiq**

▶ **ROBOTICS**

▶ **SPORTS**

**FUSIONING  
COMPUTER VISION  
AND LLM**

**MULTIMODAL·AI**

▶ **HEALTHCARE**





actiq


# MULTIMODAL AI FOR SPORT INDUSTRY

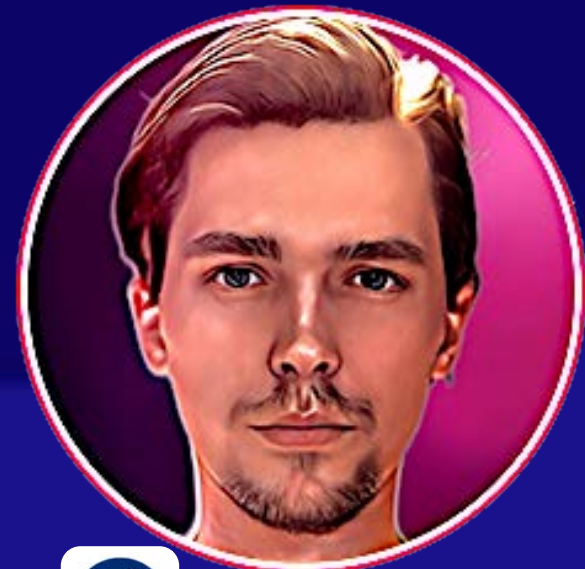
**Core team**



  
**Michael Arossine**  
CEO/CPO 





  
**Phil Khomenok**  
COO, PM 



  
**Mike Keer**  
CTO, Teamlead 



  
**Ankit Sahu**  
CFO 


+5 sporty AI/Fullstack dev's

**Advisors**




**Dr. Tyler Vachon**  
ML expert, Radiologist 



**Paul Pelosi Jr.**  
Independent Advisor 



**Broderick Higby**  
GolfAI, SR Engineer, Apple 

+3 Advisors from Sports and AI



# AI SPORT COACHES FOR ALL SPORTS

**Disruption  
of sport  
training by**





# AI SPORT COACHES FOR ALL SPORTS

## Opening a New Era in Sport Coaching

**2024**

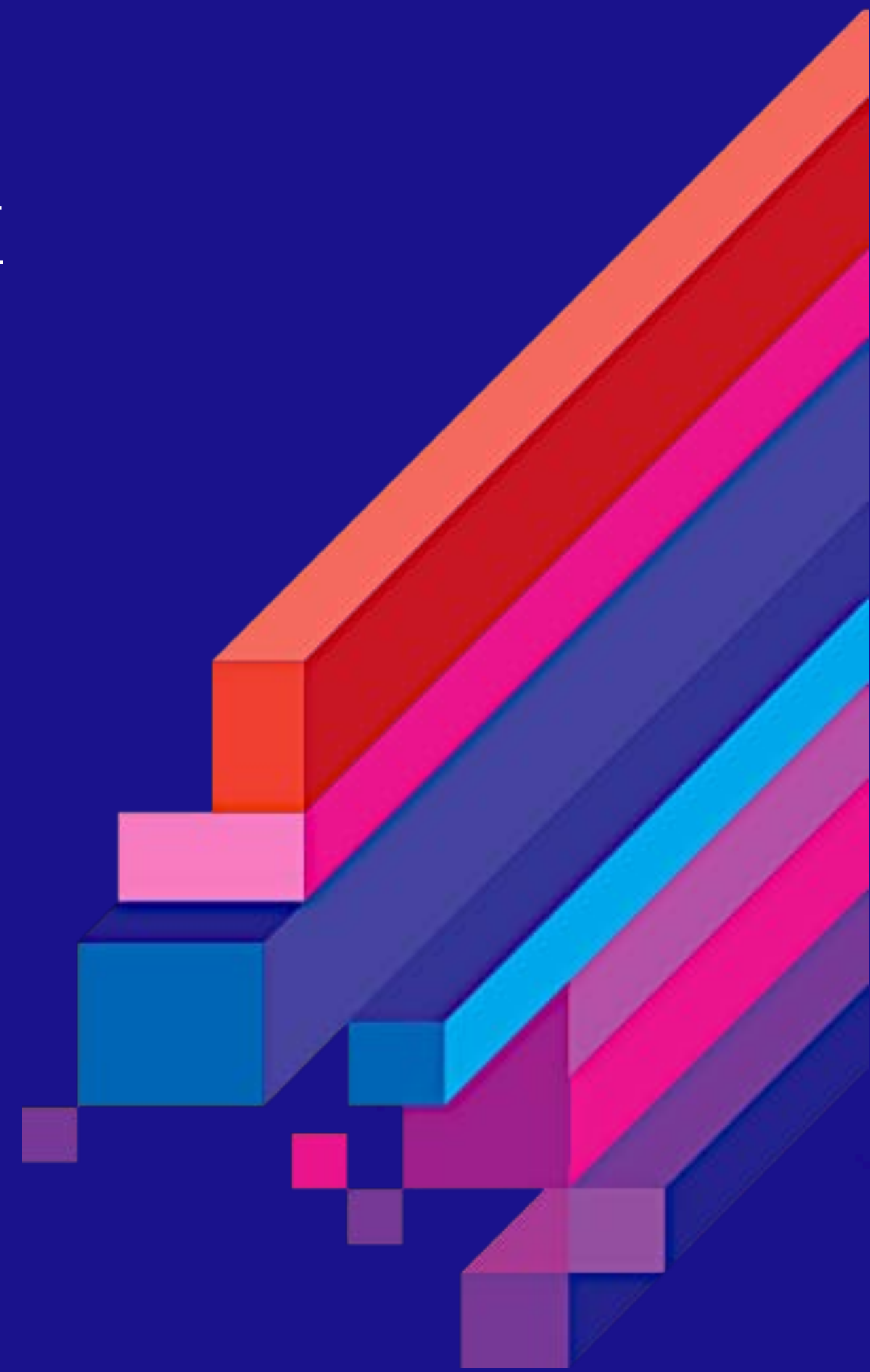
- Launching AI powered 24x7x360 sport coaching platform for Golf, Tennis, Football, Cycling etc.
- Skip the limits of human coaching
- Democratizing access to sport coaching with AI





# PROBLEMS

- ▶ **HUMAN COACHES** ARE ALWAYS TIME LIMITED AND EXPENSIVE
- ▶ **ATHLETES** WANTS MORE PERSONALIZATION AND FLEXIBILITY
- ▶ **PERFORMANCE AND SAFETY** ARE HARD TO BALANCE





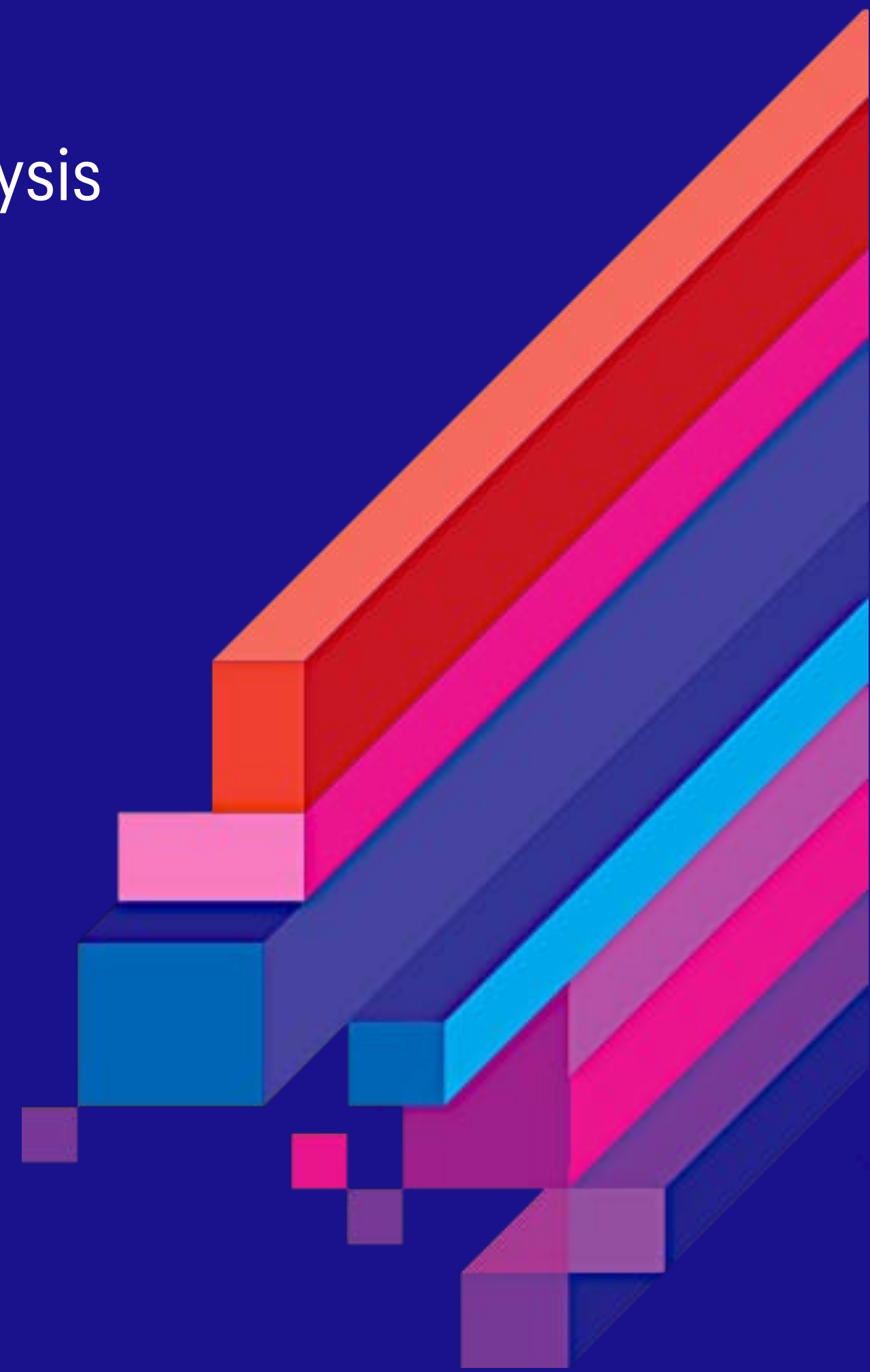
# PAINS

## COACHES

- Coaching is time-consuming
- Workload max 100 hrs per week
- Tied to location
- Less personalization focus
- Lack in data analysis
- Coaching limits (up to 4 sports max)

## ATHLETES

- Lack of realtime tracking/analysis
- Limits of certified trainers
- Less in personal focus
- Less in communication
- Less in motivation
- Cost of coaching is high





# AI COACHING PLATFORM

**We build AI Sport Ecosystem for:**

## **COACHES**

- ▶ AI coach creation wizard
- ▶ Additional revenue streams
- ▶ Global awareness, new markets

## **ATHLETES**

- ▶ Extra AI coaching sessions plus to live coaching
- ▶ One app, all sports
- ▶ Rewards & Incentives



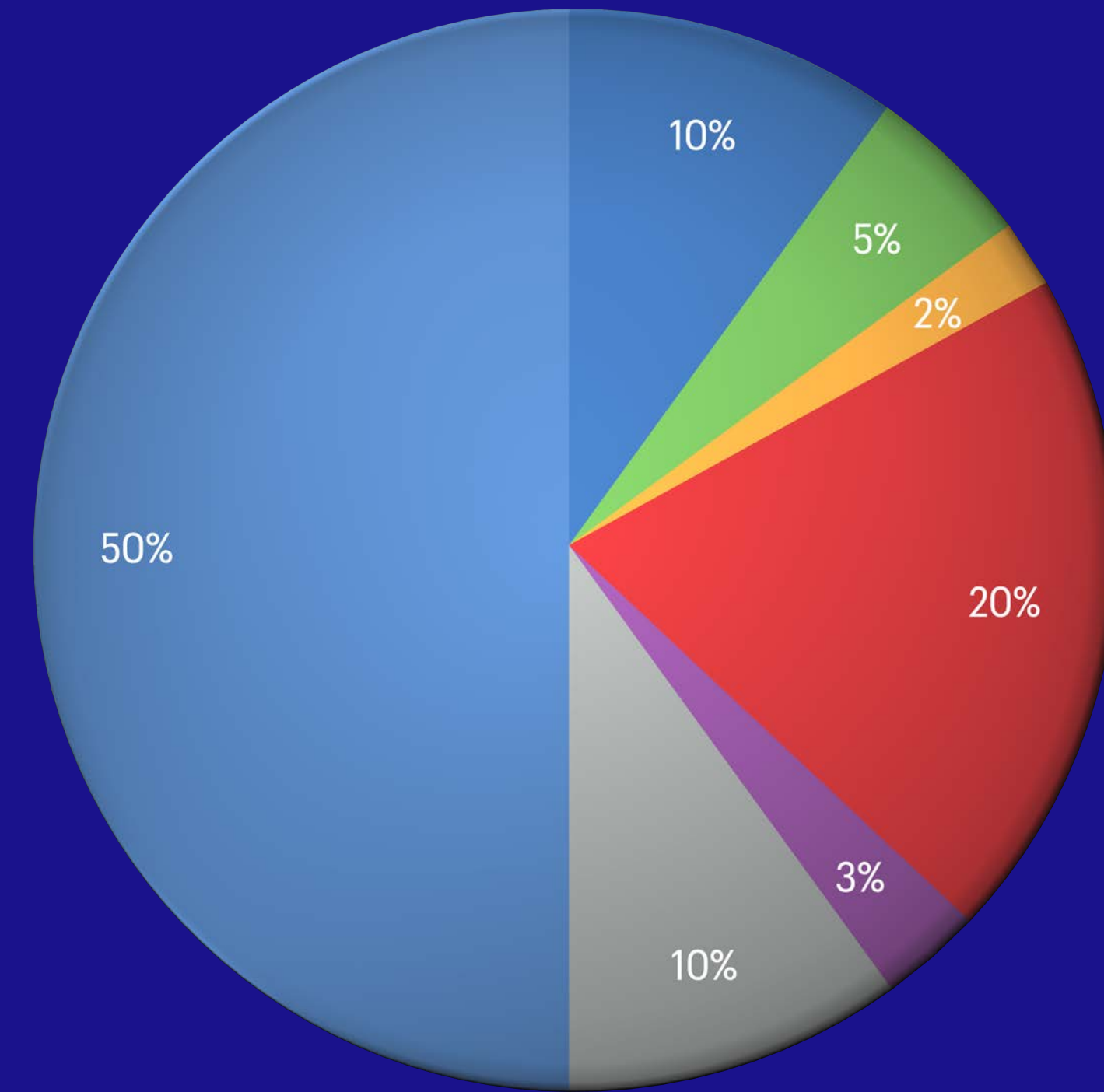




# TOKENIZED INCENTIVES

## \$ACTI

- ▶ SPORT COACHING REWARDS MANAGED BY AI
- ▶ UTILITY: APP SUBSCRIPTION, PHYGITAL GOODS, STAKING, VOTING
- ▶ BURNED AFTER UTILITY CLAIMING
- ▶ CAPPED: 500M



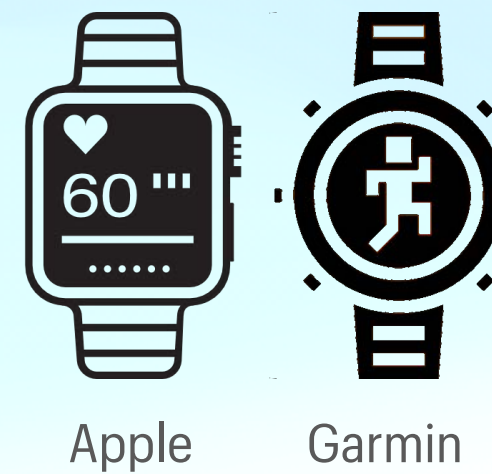
- Development
- Public Sale
- Advisors
- Incentives
- Private Sale
- Liquidity
- Partnerships



# SOLUTION FOR PLAY SPORTS



- ▶ 60 FPS CV-coaching using frontal camera
- ▶ Mimicking 3D AI Coach avatar and go through workouts



Apple

Garmin

- ▶ Wearable app
- ▶ AI in app
- ▶ Collecting athletes geo/health data



Airpods

- ▶ AI Coach realtime feedback
- ▶ Athlete can speak to coach

**NO  
EXTERNAL  
CAMERAS**

**2D VISION =>  
3D COACHING  
MODELS**

**AI COACH  
REALTIME  
FEEDBACK**

**ASK  
YOUR  
COACH**

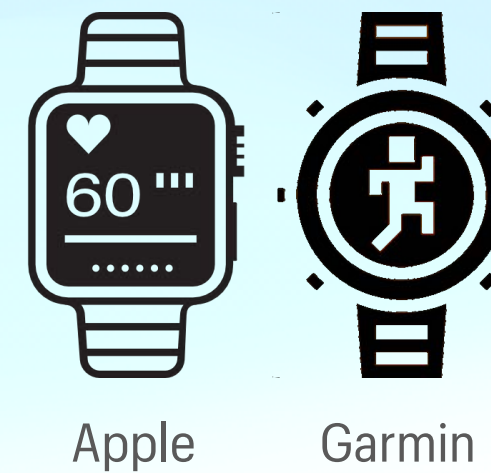


# SOLUTION FOR TEAM SPORTS



- ▶ 500 meters long-range 100Hz Lidars plus 64K MCC
- ▶ Multiplayer tracking
- ▶ GNSS play zone auto-calibrating
- ▶ Can be used with drone
- ▶ FIFA SSM recognition
- ▶ Player tracking

**100Hz 3D  
motion capture  
camera + lidar**



Apple      Garmin

- ▶ Wearable app
- ▶ Strategy and Tactics mgmt
- ▶ Injury control

**In-game  
tactics  
management**



Airpods

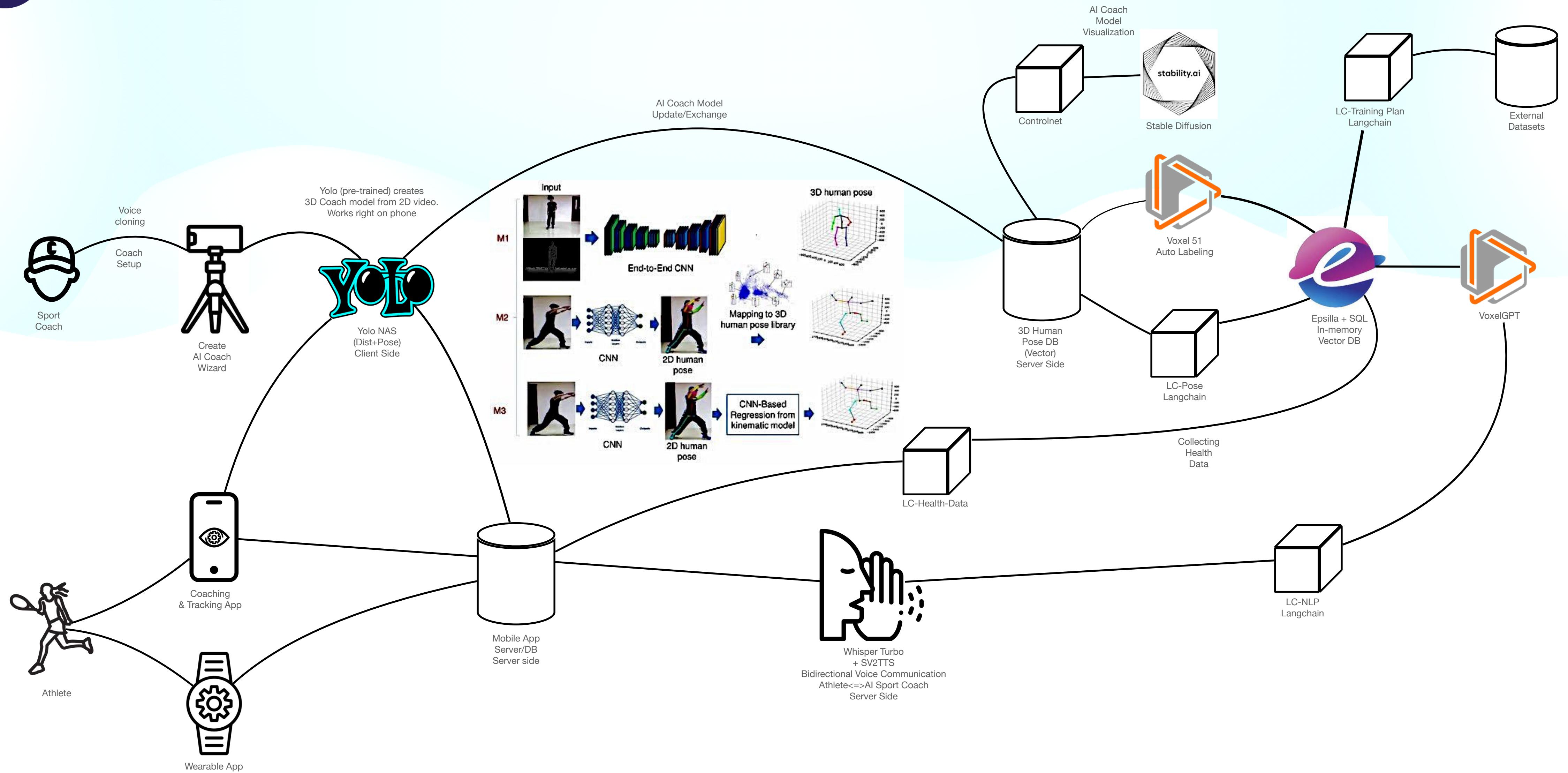
**AI COACH  
REALTIME  
FEEDBACK**

- ▶ AI Coach realtime feedback
- ▶ Athlete can speak to coach

**Ask  
your  
coach**



# HOW IT WORKS





# COMPETITORS



[Actiq](#)



[SevenSix](#)



[Strava](#)



[SportsBox AI](#)



[TrainingPeaks](#)



[Peakers](#)



[SwingVision](#)



[Golf Boost AI](#)



[TrainerRoad](#)



[Enduco](#)

	Actiq	SevenSix	Strava	SportsBox AI	TrainingPeaks	Peakers	SwingVision	Golf Boost AI	TrainerRoad	Enduco
Supported sports	Golf, Tennis, Running, Cycling, Gym, Yoga	Tennis	Running, Cycling, Hiking, Walking	Golf	Running, Cycling, Swimming	Running, Cycling, Swimming	Tennis	Golf	Cycling	Running, Cycling, Swimming
App type	Sport Coaching Marketplace	Swing Analyzer	Athletes Social Network	Supervised golf training	Training Planner, Coach Marketplace	Training Planner	Swing Analyzer, Ball tracking, Court heatmap	Swing Analyzer	Training Planner	AI Training Planner
AI type used	AI Coach Twin (CV+OR+LLM+NLP)	CV	ML	CV	N/A	ML/DL	CV, ML	CV	ML	ML
AI functions	AI Coaching, Adjustable Training Plan, Analytics, Rewards	Swing Analysis	Next Trail Run Tool	Swing Analysis	N/A	Training Plan, Analytics	Play Analysis	Swing Analysis	FTP Detection	FTHR, FTP, TPACE detection
Year started	2023	2021	2011	2021	1999	2018	2020	2014	2010	2020
CV Latency	Realtime	Preloading	N/A	Preloading	N/A	N/A	Preloading	Preloading	N/A	N/A
Total Funding		N/A	\$150M	\$5,5M	N/A	\$4,3M	\$3,3M	N/A	N/A	\$3,2M
Athletes Incentivization	Gamified Rewards (AI by AI Program)	N/A	N/A	N/A	N/A	N/A				
AI based voice interaction/feedback	Pre-trained LLM+NLP	N/A	N/A	N/A	N/A	N/A				

**Sport coaching apps**

[Link to Google Sheets](#)



# SPORT COACHING MARKET 2023

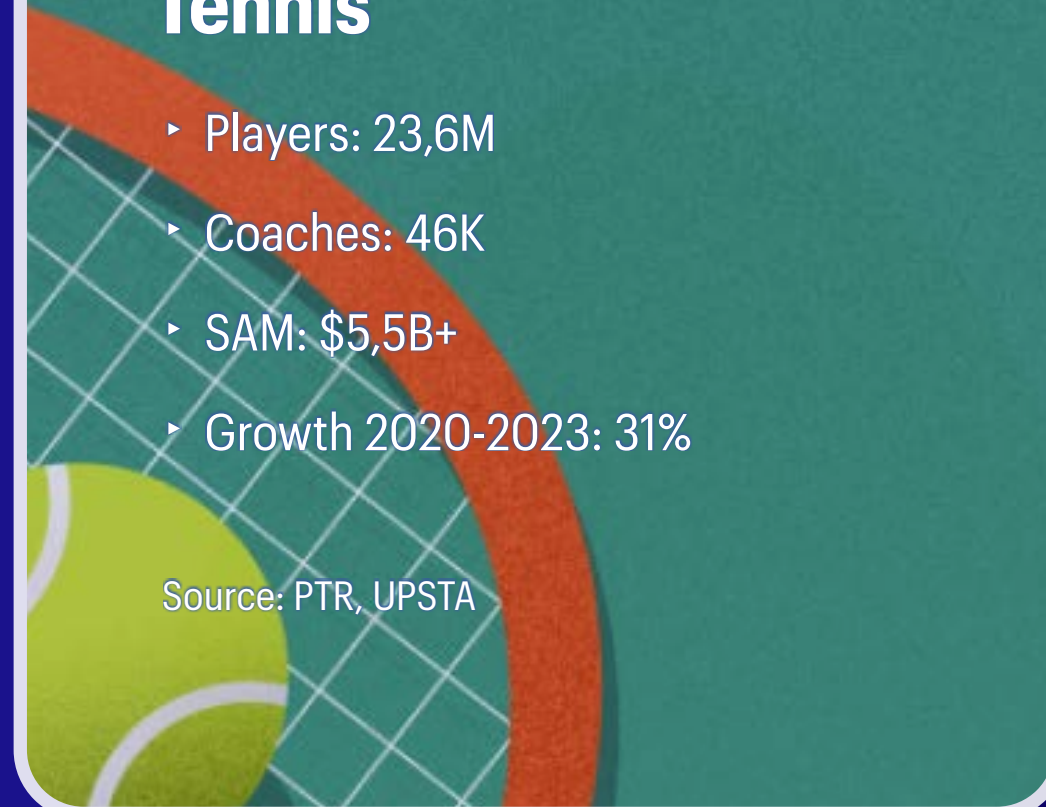
## Golf



- Players: 25,1M
- Coaches: 30K+
- SAM: \$5,7B+
- Growth 2020-2023: 36%

Source: NGF, PGA

## Tennis



- Players: 23,6M
- Coaches: 46K
- SAM: \$5,5B+
- Growth 2020-2023: 31%

Source: PTR, UPSTA

## Athletic Sports

- Athletes: 89M+
- Coaches: 20K+
- SAM: \$20B+
- Growth 2020-2023: 24%

Source: Statista



## Connected Fitness

- Users: 96M+
- Coaches: N/A
- SAM: \$20B+
- CAGR 2023-2030: 22,6%

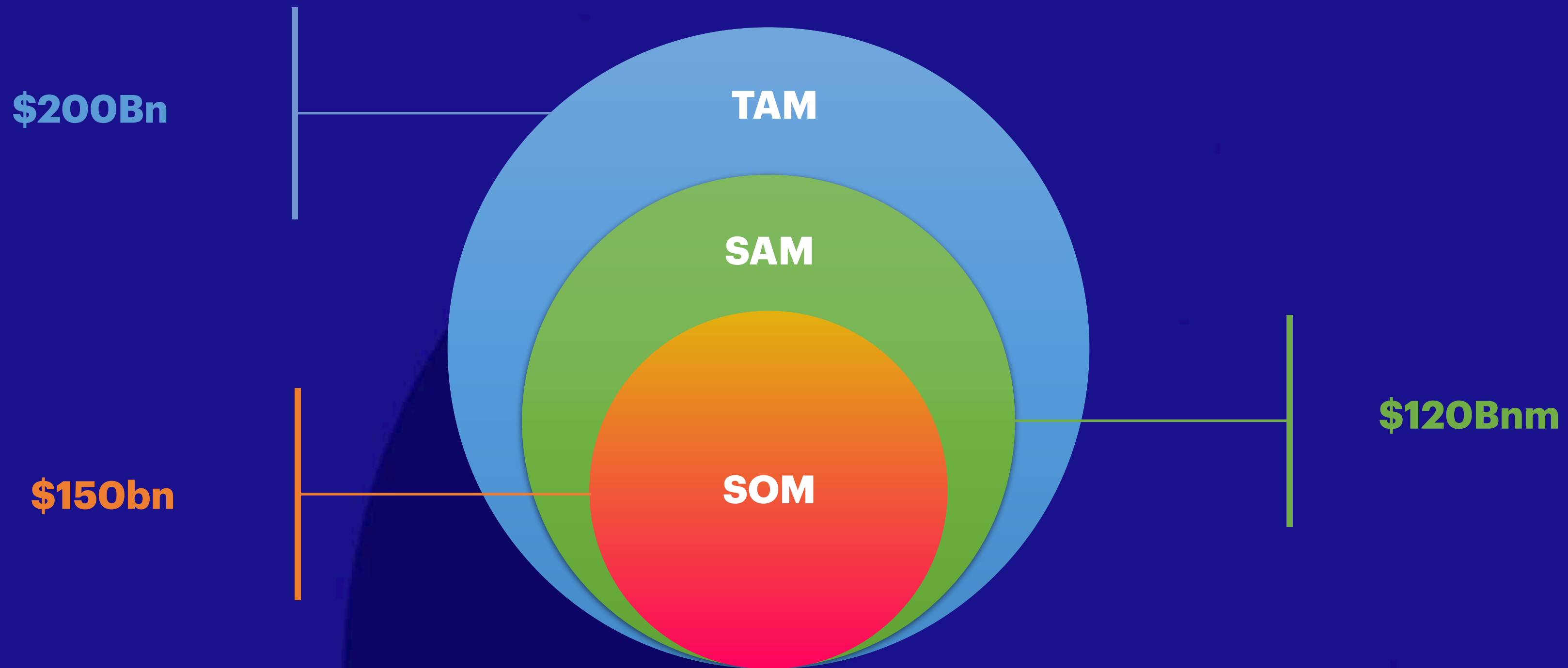
Source: Statista



[Link to Google Sheets](#)



# SPORT COACHING MARKET 2023



The market size, measured by investments, of the Sports industry is \$150.9bn in 2023



# TRACTION

**\$300.000**

Post-revenue in 2024  
White Label Sales

**Custdev/AI training**

Round 1 - Q2 2023 = 200 athletes (triathlon)  
Round 2 - Q2 2024 = 1000 athletes (tennis, golf, etc.)

**Integrations**

Strava, Apple Health,  
Google Fit, Suunto,  
Garmin, Huawei Health

**CAC=\$25**

**LTV=\$230**

**Collabs with celebrity coaches**

Tennis model (Venus Williams) TBA  
Golf model (Butch Harmon) TBA  
Boris Becker Tennis Academy Q2 2024

**Running 2 pilots**

backed by Actiquest  
technology stack

**TAM=\$200Bn**

**SAM=\$150bn**

**SOM=\$120Bn**

**MVP development**

Golf, Tennis, Football models





# MVP SCOPE

2023

Pre-production stage (R&D)

Q4

Dev starts

We are here

Q2

- Ideation
- Whitepaper
- Website
- Internal tests
- Content production
- Company setup

- Custdev campaign (runners)
- Strava Integration
- Running dataset creation
- Concept review
- Team sourcing
- LLM Architect Research

- Langchain agents architect
- Training Plan Dataset
- Enriching Strava Dataset with 3 part API's
- Chromia/Epsilla (Vector DB) performance tests
- UI/UX
- App User Flow

- Commercial use LLM's performance tests (Falcon, MPT-7B, Vicuna-13B, DataBricks Dollie, VoxelGPT etc.)
- CV Pose Estimation performance tests (OpenPose, DeepPose, DeepCut, AlphaPose-Mask R-CNN, Yolo NAS Pose)
- Chromia/Epsilla (Vector DB) tests
- MVP architecture ready: Yolo v.8 NAS Pose (CV, PE) +Fiftyone (auto-labeling-CV models-managing)+VoxelGPT (LLM)+Faster Whisper/Turbo/ (speech2text)+SV2TTS (text2speech, voice cloning) +Epsilla modified to SQL

- Yolo v8 Pose NAS modifying (1:1 person, mobile version)
- 3D measuring algorithm with Yolo-dist library
- Training CV (Tennis model + coaching models).
- Tennis Model Labeling
- Reengineering Fifty One (Yolo-LLM seamless integration)
- Reengineering VoxelGPT
- VoxelGPT training
- Sports type recognition (Yolo v.8) + Sports Objects recognition
- +3 other sports models (TBD).

- CV models auto-labeling goes in auto-mode
- Coach 3D avatar realtime design/producing using propmt/controlnet v1.1 + Stable Diffusion + TemporalKit + ebsynth
- 60FPS/3D tennis coaching/ player tracking model
- Tennis play tracking (ball/ swing/behavior/etc/coach voice feedback)
- Tennis model (playing + tracking goes live).
- Pre-MVP live tests
- Custdev Campaign preparation (Tennis)



# MVP SCOPE

## 2024

MVP stage

2024, Q3

2025

- Tennis Coaches, 5 different models
- Running DL model
- Prediction: FTTH, FTP, TPACE, VO2MAX
- Training Plan LC Agent
- I/E Tests
- Garmin Activity API implementation
- Apple Health Implementation
- Enriching running datasets with realtime Garmin data

- CustDev campaign phase 2 (1000+) - tennis
- Garmin/AW wearable app concept
- CNN Decision Intelligence (TBD)
- UI/UX (mobile)
- Mobile app development (Native, iOS)
- Wearable app development (Apple Watch + Garmin)

- VoxelGPT Finetuning
- Health Data Retriever LCA concept
- Athlete Feedback Controller LCA
- Training plan Customizer LCA
- External Datasets retriever LCA (injury, sport physician etc.)

- Finalizing aggregated learning model for Tennis
- Finalizing aggregated learning model for Running
- Releasing mobile app (alpha)
- Releasing Garmin app (alpha)

- AI Coaches Tennis ready
- AI Coaches Running ready
- System pre-release tests
- Features & Improvements
- App release finished

- Web3 wallet launch
- Wallet + DAO concept TBD
- Incentivization concept TBD
- Incentivizer LCA concept TBD
- Incentive program tests



# INVESTMENT ROADMAP

## Current Stage: \$800K Pre-Seed Round

- **Q3, 2023:** \$140K from BHP Ventures Subsidiary, \$4M Valuation
- **Q1, 2024:** \$800K Pre-Seed round (in progress), \$12M Valuation
- **Q3, 2024:** Seed Round, \$18M Valuation (planned)

Minimum check: **\$50K**

Investment Vehicle Details: **Actiquest Inc., Delaware C-Corp, SAFE**



# THANK YOU!



## Get In Touch

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