

Human Body AI

Company Profile, Nov 2018











BATCH 14

INCUBATEE

INCUBATEE

INCUBATEE

SMART CITY PARTNER



We analyze bodies in motion at scale

We use:

AI + Computer Vision + Proprietary Data

to build Human Body AI

Founders

Proven team with a history of execution Engineering-Lead w/ Enterprise Experience



COMPUTER VISION

PRODUCT MGMT

CLIENT MGMT

TEAM LEAD

BIZ DEV

SALES

CODE









Before miro

Global VP, Head of Digital - Asia at TMS Global Digital Lead at McDonald's

BA - KALAMAZOO, ECONOMICS/BUSINESS



MACHINE LEARNING DATA SCIENCE

CLOUD ARCH

CODE

DFV I FAD

PROJECT MANAGEMENT

COMPUTER VISION











NOTEY

Before miro

Director, Technology - Asia at TMS **Director, Technology** at Notey

BS – UNIV OF MANCHESTER, COMPUTER SCIENCE PMP - Certified AGILE PM



Key Team Members



Evan Kroft - Head of Partnerships Leads media, partnerships & sales



Before MIRO VP, CRM & Digital at Sonic Sr. Director, Digital & Data at TMS

MS - Northwestern University BS - Elmhurst College



Wallace Leuna – Head of Delivery Leads execution, release & integrations



Before MIRO Sr. Project Manager, Digital at TMS **Digital Producer** at Ogilvy

BS - Hong Kong Baptist University

Proven @ Scale



Monopoly CV SDK 2B+ SCANS

iWIN Platform

30MM DAU

Offers Creation Engine

US\$1B SALES

McD QR Central

10B+ TXNS

This same team lead computer vision & mobile innovation for McDonald's®



FACE ANALYSIS WAS THE BIG STORY IN AI

Face Analysis is a solved problem.

\$2B+

\$1B+

\$1B+

\$1B+

\$1B+













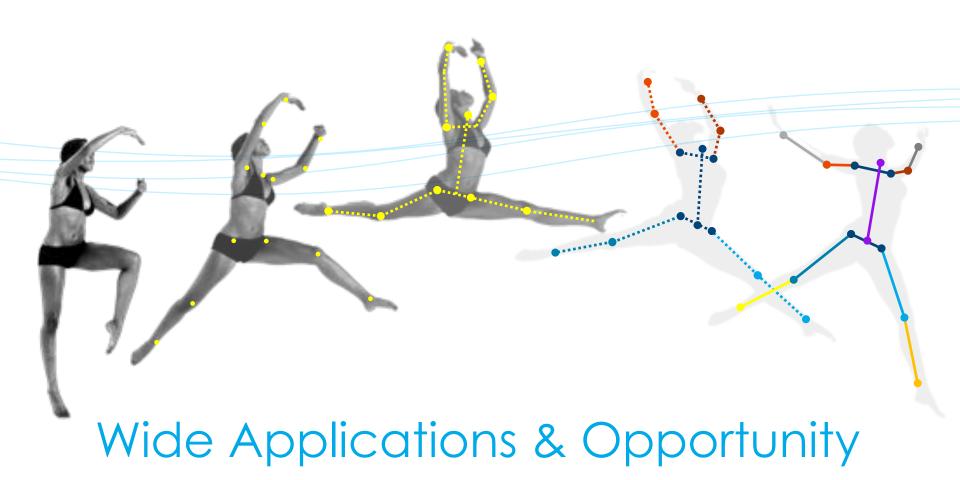


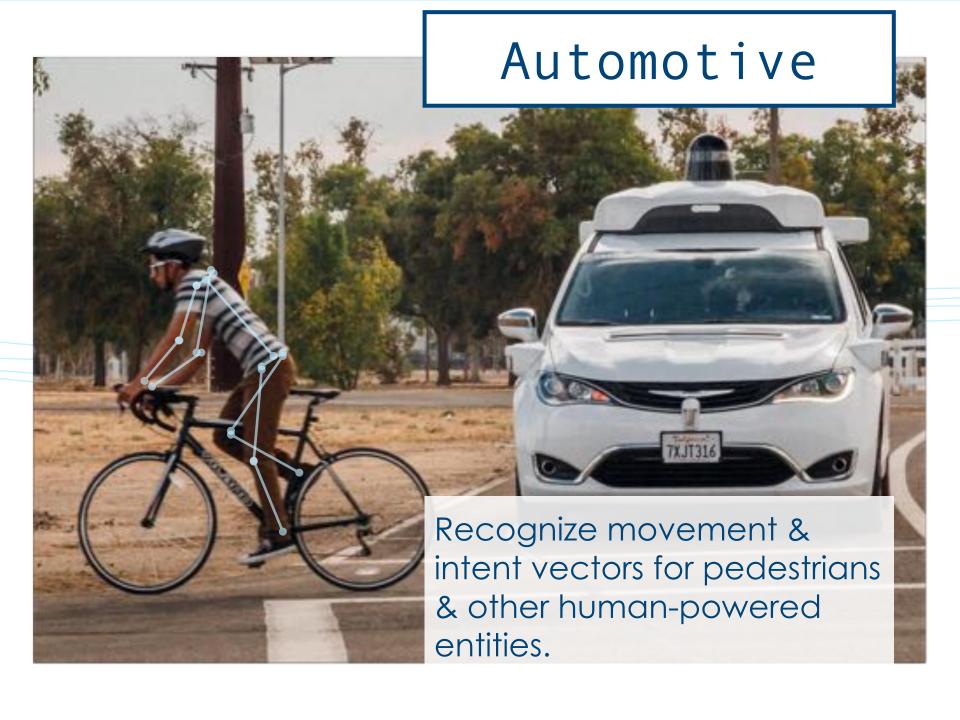
\$2.5B

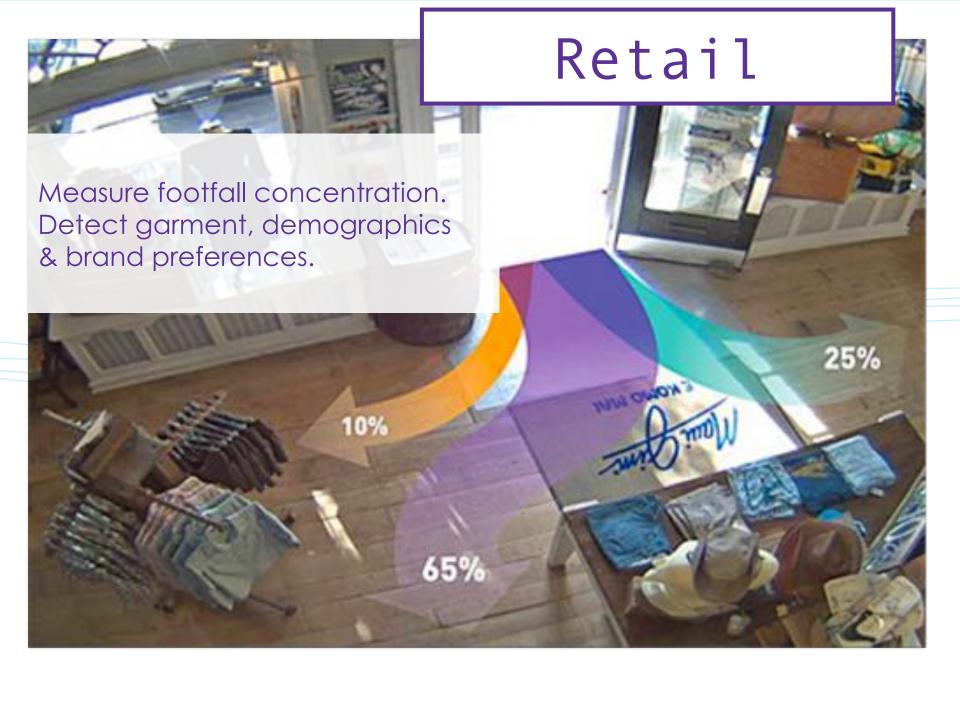
\$4.5B

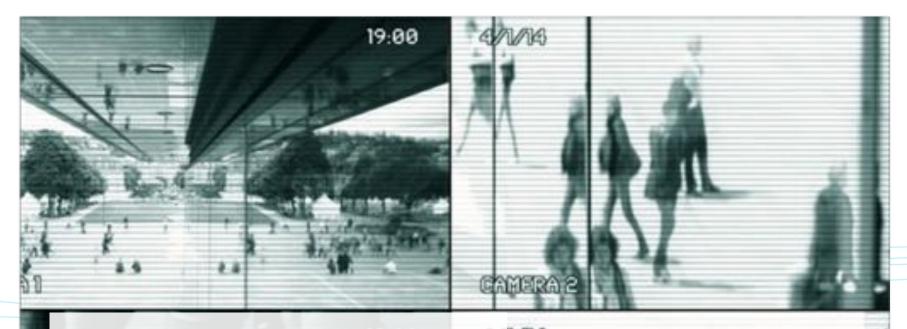


Body Analysis is just getting started.







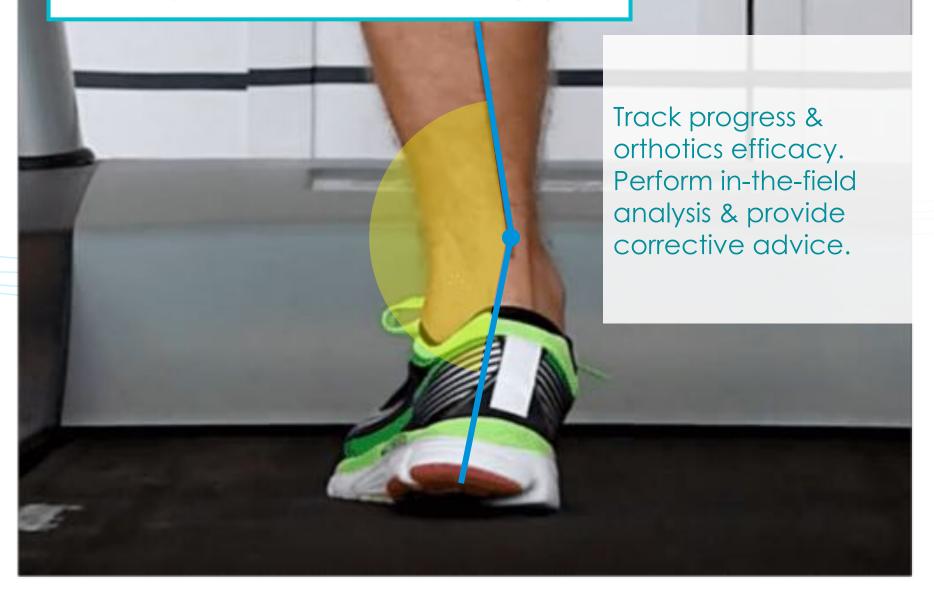


Track gestures, movement & perform crowd estimation. Recognize patterns of suspicious or aggressive behavior.



Security

Physical Therapy



Data Problem

Training Al for bodies is very difficult b/c datasets are highly variable.

Clothing Variability



Subject & Size Variability

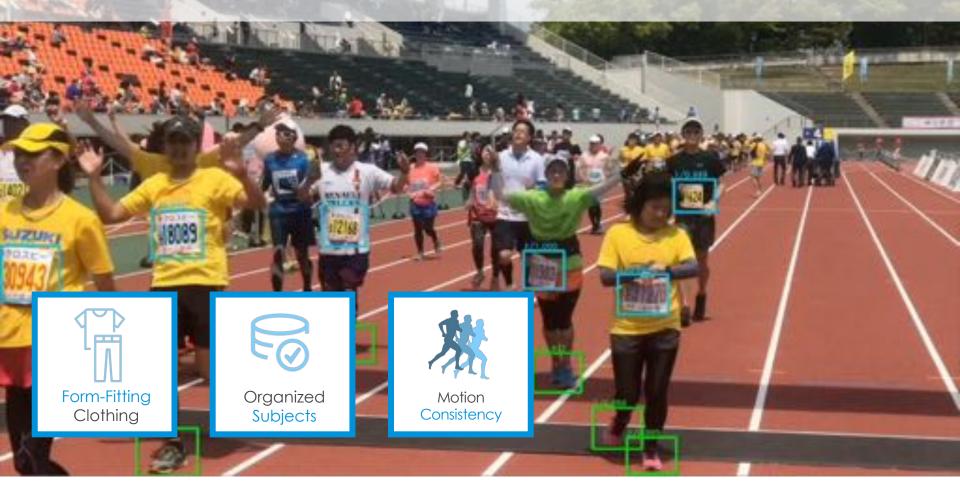




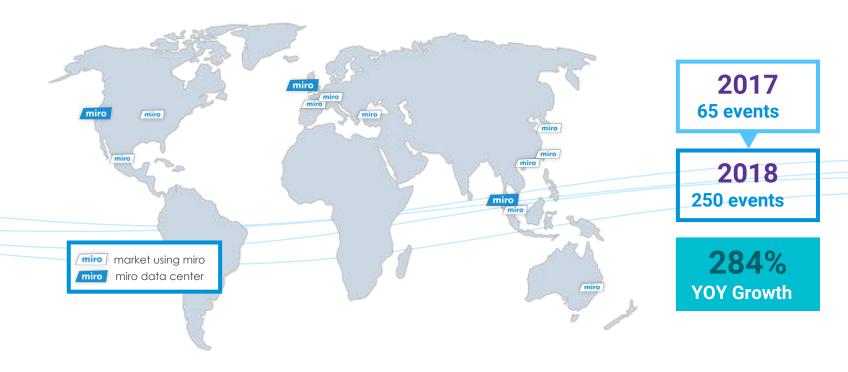
Our Solution:

Running Event Photos/Video Marathons/5k/10k & others...

miro We built the #1 Running AI on the market



AI for Endurance Sport



Every week, event companies pay to use mire 's API to instantly identify athletes in their photos & video.

Unique data advantages >



Advantage #1: Auto-Collation

Every Athlete wears a "license plate"





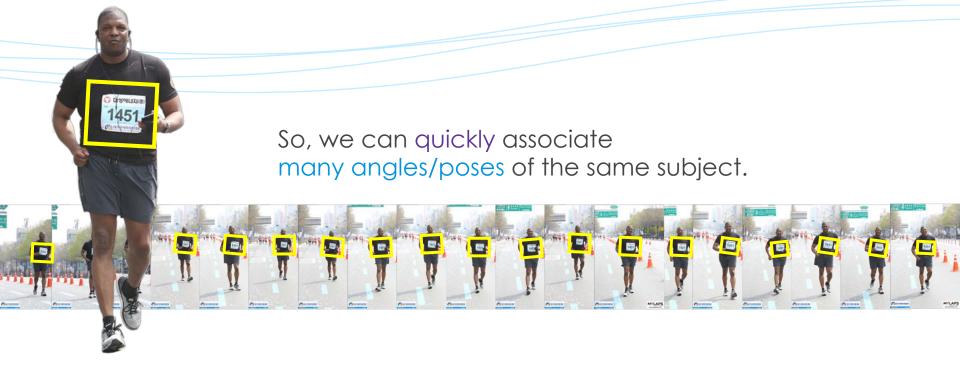


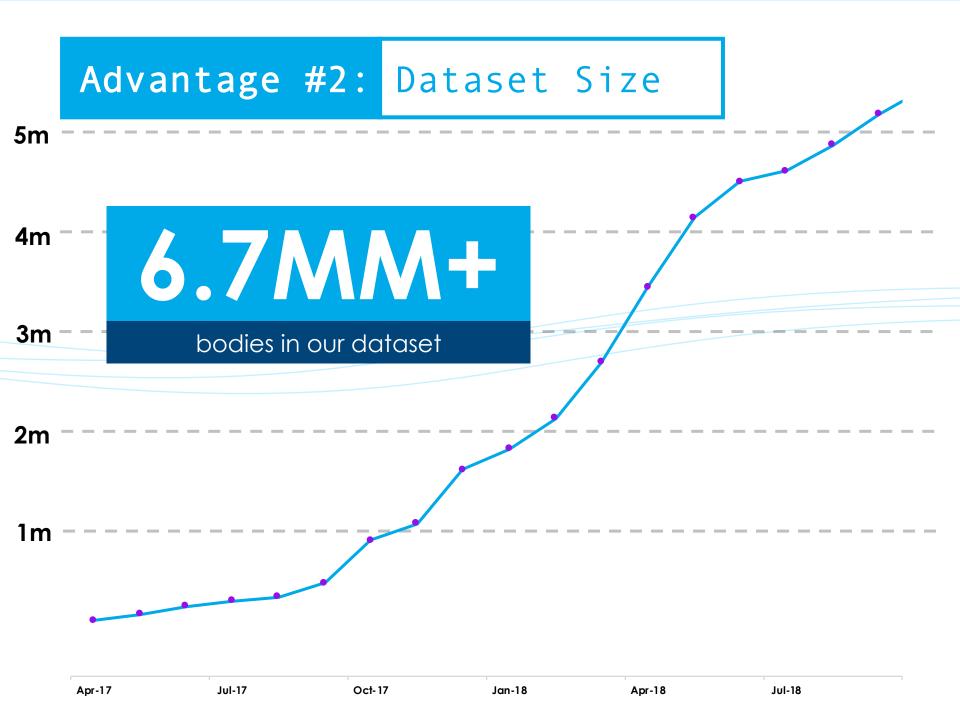














Advantage #3: Camera Angle-Agnostic



FIXED-CAMERAS CREATE BAD DATA

Much training data available today is from CCTV, broadcast or other fixed camera-angle setups.

The portability of models trained from data like this is very limited.

RUNNING DATA IS MULTI-ANGLE

FLEXIBLE, PORTABLE AI RESULTS

Skeletal & Full-Body



Granular Body-Part Analysis

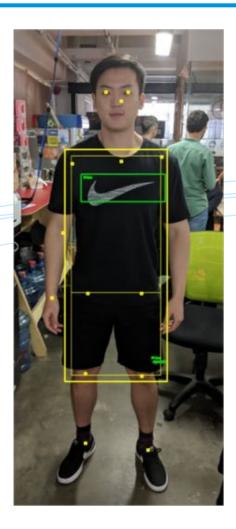
Miro trains models for each of 14 body regions. Each part is <u>analyzed</u> individually & merged back to the root subject/anchor.

Example: The Hand/Wrist



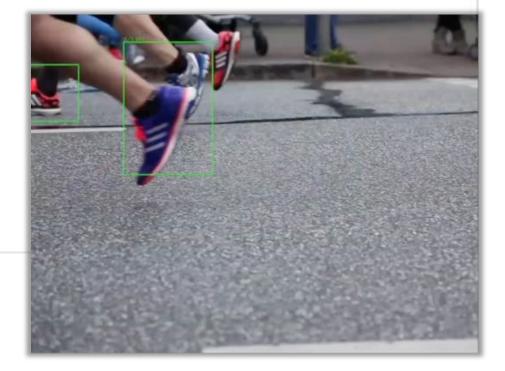
Garment Brand Recognition



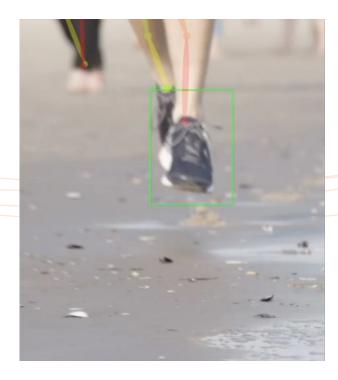


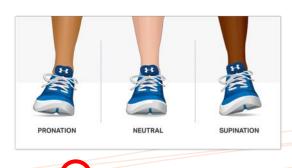
Shoe Brand Recognition





Features Gait & Form Analysis















Custom Audiences



We want **ALL RUNNERS** in **OREGON** who are **NOT WEARING HEADPHONES**.



We want **EXPERIENCED RUNNERS** in **KOREA** who **WEAR FITNESS TRACKERS**.



We want **FEMALES AGED 25-45** in **HONG KONG** who run **WEARING NIKES**.

















CLIENTS









CLASSPASS PELOTON





PIPELINE



Near-Term Revenue Streams:

Event companies

pay to use our Athlete ID service at their events.

Brands pay to gain market research & customer insights from Miro's Al.

Advertisers pay for data-driven access to athletes in events using Miro.



We ID Athletes WITHOUT Biometrics











ASIA SPORT EN MOTIVE

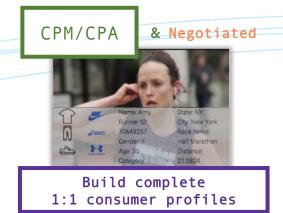
Launched 04/2017

niuko.com

96% of rev

Launched 06/2018

4% of rev





Launched 11/2018

New Stream

Traction & Revenue

2017 Launch

BOOTSTRAPPED

\$713,000

REVENUE (USD)



Now Raising



SUSV

US\$2M @\$10M

Lead Investor SOSV (USA)

February 2019 Close

DEMO DAY: 5 Dec

Team & Sales Expansion

24 Month Runway Sales x5 (UK,EU) (SG,JP,HK)

Partnership Team x3 (US,US) (HK)

Development Team x7 (HK,US,EU)



Advisors



lan Edgar Advisor – CV & Robotics

COO, CTP & KacePack

Former COO, Insight Robotics

Advisor to several other US-based Computer Vision firms.



Denis Cranstoun Advisor – Media Sport/Fitness

Director, Palazzo Investments (M&A)

Former NBA & Media Executive with deep sport/fitness network.

Academic All-American Runner



Chris Robb Advisor – Sport Industry

President, Mass Participation Asia Advisor, ASICS

Sold last company to IRONMAN

Author & Globallyrecognized thought Leader in Endurance Sport



John Jasper Advisor – Technology

President, Connected Vehicles - SIRIUS

Multiple Deep-Tech & SaaS Exits

Advisor to CV firms in drone topography & vehicle tech.



Human Body Al

Investment: info.miro.io

Careers: miro.io/jobs

Thank you!

Contact: Ben Ross

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HK: +852 5425 9015



Note #1: Privacy Compliance



GDPR Use/Storage of Biometrics Explicit consent for facial scan data

Explicit consent for facial scan data creates an opportunity for alternative non-biometric identifiers (body-based).



Miro is BIPA Compliant

US-State Law Use/Storage of Biometrics Individual US states, lead by Illinois' BIPA, have begun passing legislation similar to GDPR re: use/storage of biometric data.

Current: Illinois, Washington, Texas

Pending: Michigan, New Hampshire, Alaska, Montana,

Expert Representation: Miro is represented & advised by Miller Canfield (Chicago, IL, USA) on data privacy compliance.