REMO Inc.

Company Profile

A Motion AI company that reads human movement with AI and turns it into data

FINEFIT AI Mirror | FINEFIT Simpro | Physical AI Data



REMO Inc. · Korea

CHTF 2026 · Shenzhen World Exhibition & Convention Center · Hall 10, Booth 10-G1

ABOUT · COMPANY OVERVIEW

Healthy movement, designed — a vision AI healthcare company

REMO (*Recover Your Body Movement*) is an AI technology company that uses AI to analyze **human movement, health and sensor data** to build healthcare, sports and physical AI services.

Without sensors or wearables, we use **a single ordinary camera** to capture body shape, gait and motion, show the results in 3D, and build up the data as quantitative metrics.

Vision AI | 3D Results | Physical AI Data

Company	**REMO Inc.**
CEO	**Bae, EunKyung**
Founded	**July 12, 2019**
Core Fields	**Motion AI · Healthcare · Physical AI**
Products	**FINEFIT AI Mirror · FINEFIT Simpro · Physical AI Data**
Technology	**59 joint points from an ordinary camera · 3D results · LLM interpretation**
Locations	**HQ Asan, Chungnam · R&D Lab Seongsu, Seoul**
Contact	**+82-2-6949-3847 · info@remo.re.kr**

PRODUCTS · THREE OFFERINGS AT THIS SHOW

One Motion AI core, three businesses

01 · SMART MIRROR

FINEFIT AI Mirror

AI smart mirror that analyzes body shape from 2 photos in 1–5 seconds

· 32-inch touch display · Built-in camera

· 9 posture indicators · Personalized exercise

· For fitness, wellness and senior facilities

Partners we seek

Healthcare & wellness mirror distributors
Fitness equipment distributors & vendors

02 · SPORTS SaaS

FINEFIT Simpro

Video-based motion analysis platform for coaches and athletes

· Joint angles · L/R symmetry · Phase velocity

· Weightlifting (snatch, clean & jerk) · Running

· API license · Co-development · OEM

Partners we seek

Sports & fitness distributors & vendors
Technology partners

03 · PHYSICAL AI

Physical AI Data

Real human movement, collected and processed into humanoid training data

· Collected with ordinary cameras and existing CCTV

· Processed into keypoint skeletons and joint-angle sequences

· Validated by humanoid tracking simulation

Partners we seek

Humanoid & robotics companies (motion-data buyers)

PERFORMANCE · TRACK RECORD & TRUST

97%
Joint-angle accuracy vs. Vicon

12
Patents (incl. 2 PCT)

3
SCI papers

50K
Analyses to date

180+
Fitness customers

2019
Founded · Motion analysis AI specialist

NIPA 주최 21-22 인공지능 경진대회 연속 우수 성적, 모션 분석 AI 전문



특허 12건 보유
(pct 2건)



데이터생성기술, 근력예측, 보행분석 AI 알고리즘 특허보유
(국내 특허: 출원 2건 , 등록 8건 / PCT 특허: 출원 2건)

벤처기업 인증, 여성기업 인증,
기업부설 연구소 인증, 하이서울기업 인증

3차원 사람인식, 체형, 모션 예측 인공지능 기술력 입증
단일 사진에서의 3D pose estimation 부분 1위 (2021)





이미지 객체 분할 문제, GAN 활용 객체예측 문제
각 3위, 4위 수상 달성





GLOBAL

Global shows
FIBO (Germany) · SWITCH & GSIC (Singapore) · ASPN (Taiwan)

Thailand
Gait analysis PoC with NTiBuzz & SmartOkO · Tripartite MOU (Mar 2026)

Malaysia
MOU with a Johor Bahru clinic to localize FINEFIT

Award
NIPA AI Competition, 1st place in 3D pose estimation (2021)

ARCHITECTURE · TECHNOLOGY STACK

One pipeline — from Input to Service

We take photo, video and sensor data, convert it into quantitative data, interpret it with LLMs, and deliver it as app, API and Agent services.

01 · INPUT

Input Data

· Photo · Video
· Webcam · Tablet
· Existing CCTV

02 · AI ANALYSIS

AI Analysis

· Pose Estimation
· Motion Analysis
· Body · Gait Analysis

03 · DATA

Quantitative Data

· Joint angles
· Asymmetry · Gait metrics
· Location · Behavior patterns

04 · INTELLIGENCE

Intelligence

· LLM interpretation
· AI Coach · Risk alerts
· Personalized advice

05 · SERVICE

Service

· App · Admin console
· Reports · Dashboards
· API · AI Agent

PRODUCT 01 AI smart mirror · Launched Nov 2025

FINEFIT AI Mirror

Stand in front of the mirror and take just **two photos — front and side.** In **1–5 seconds** the body-shape results appear on the mirror and are saved to the member record.

- 9 posture indicators · AI analysis of 59 joint points
- Exercise recommendations based on results · Workout log
- Korean, English, Japanese · Cloud member management

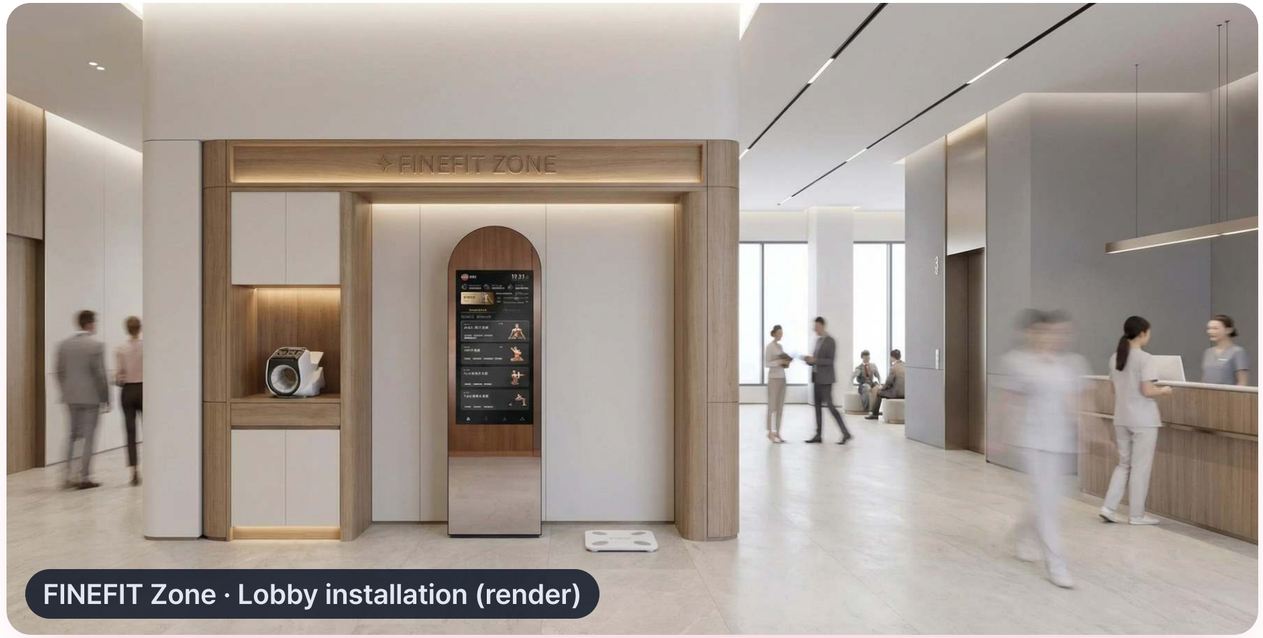
Display
32" touch

Capture
Built-in camera

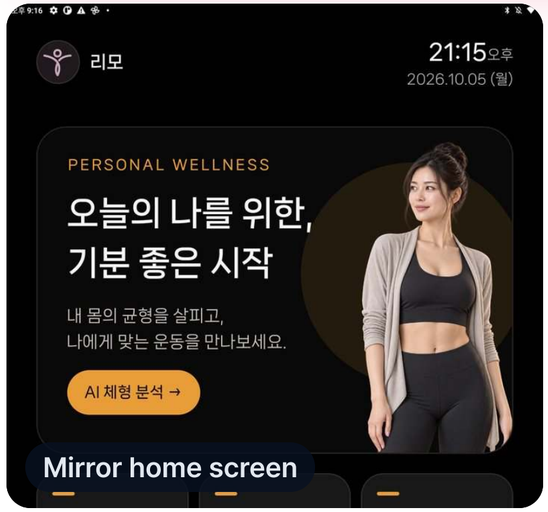
Install
Wheeled stand · Wall-mount option

Space package
FINEFIT Zone Type A/B

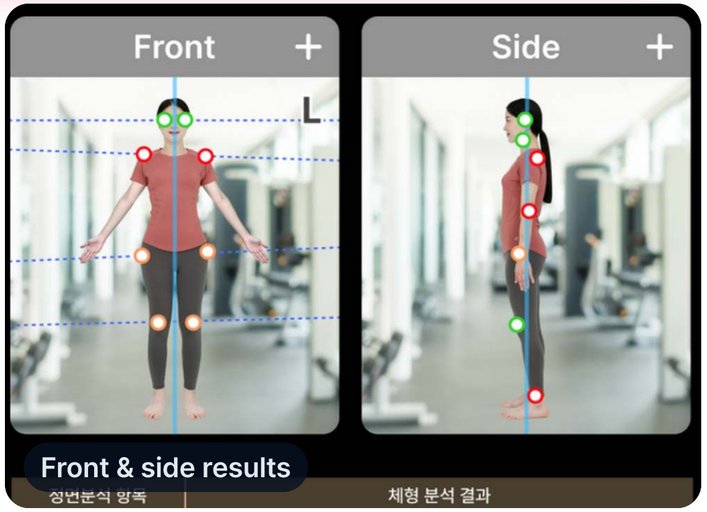
Fitness · Wellness centers · Senior facilities · Public institutions | Distribution terms provided separately



FINEFIT Zone · Lobby installation (render)



Mirror home screen



Front & side results

FINEFIT Product & Service Ecosystem

One body-shape and motion AI core expands into many product formats and markets



FINEFIT Kiosk (Small)



FINEFIT Kiosk (Medium)



FINEFIT AI Mirror

"Every product connects to recurring revenue and a growing base of motion data"

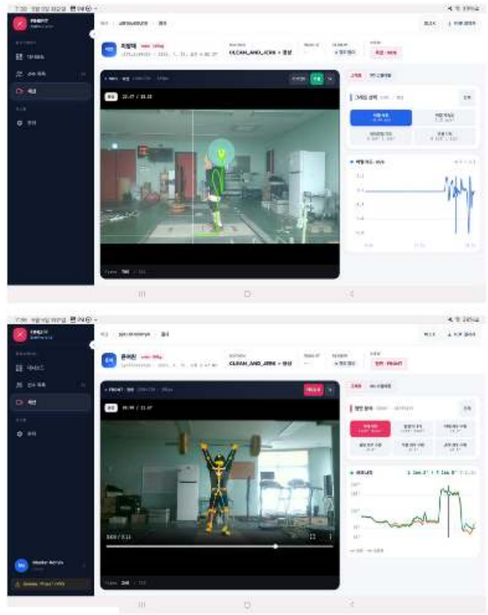


FINEFIT Tablet

User App



Smart Body-Composition Scale



FINEFIT Simpro SaaS

REFERENCES

Validated firsthand in the field



Hanwoori Welfare Center · Body & gait measurement



Guro-gu Facilities Management Corp. · On-site session

PARTNERS · WHO WE WORK WITH

A collaboration network built on trust

- **Hospitals · Research institutes (research collaboration)**
  - Asan Medical Center
  - National Rehabilitation Center
  - Ewha Womans Univ. Mokdong Hospital
  - Pusan National Univ. Hospital
  - Korea Institute of Oriental Medicine
  - Catholic Univ. St. Vincent's Hospital
- **Universities · Education**
  - Yonsei University
  - Myongji College
  - Sogang University
  - University of Ulsan
  - Hanyang University
- **Enterprise · Public**
  - NVIDIA
  - Kakao
  - Guro-gu Facilities Mgmt. Corp.
  - Seoul 50 Plus Foundation
  - National Health Insurance Service
  - Withustech
  - ESPOTEC
- **Fitness · Sports**
  - ESPOTEC
  - New Body Pilates
  - Pilates for Me
  - Sports Convergence Social Cooperative
  - + 80 more

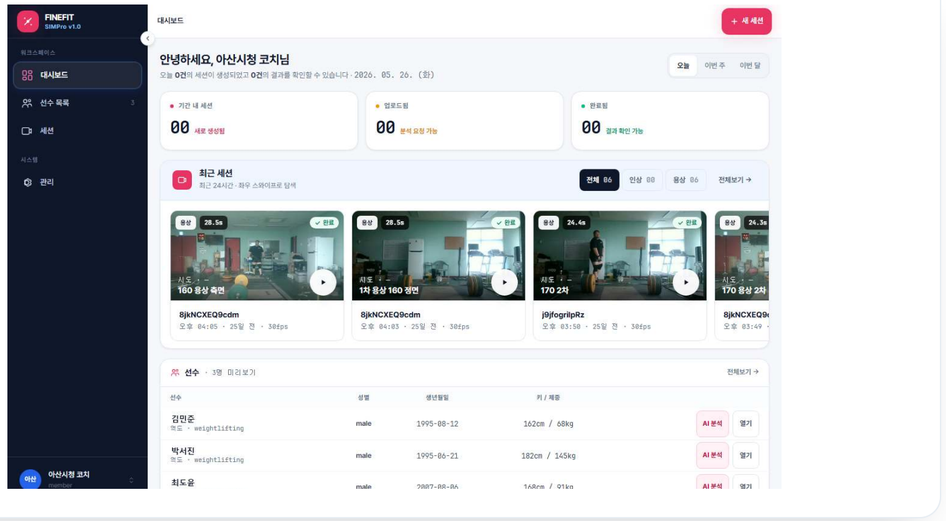
PRODUCT 02 Sports motion analysis SaaS · For coaches

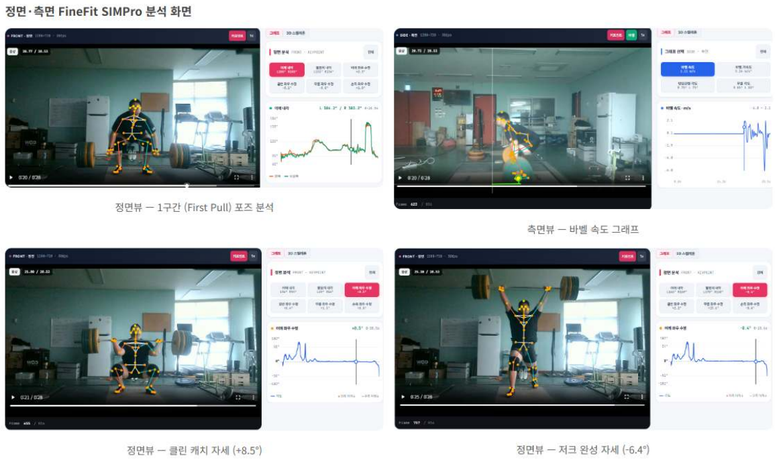
FINEFIT Simpro

Measures athletes' training videos with AI pose analysis and suggests data-driven coaching points to coaches — a **professional motion analysis platform**.

- **Quantitative joint angles · L/R symmetry · Phase velocity**
- **Automatic phase segmentation from front/side keypoints**
- **Weightlifting (snatch, clean & jerk) and running analysis**

> **Partnership: API license · Co-development · OEM (negotiable)**





PRODUCT 03 Physical AI data · Collection · Processing · Supply

Real human movement, into humanoid training data

01 · COLLECT

Straight from the field

· Ordinary cameras · Existing CCTV

· 4 channels at once

· Overseas sites via Data Bridge

02 · PROCESS

Movement into data

· Keypoint skeletons (59 joint points)

· Joint-angle & duration sequences

· Person masking · De-identification

03 · VALIDATE

Checked in simulation

· Isaac Gym humanoid tracking (PHC)

· 100 environments in parallel

· MuJoCo musculoskeletal simulation

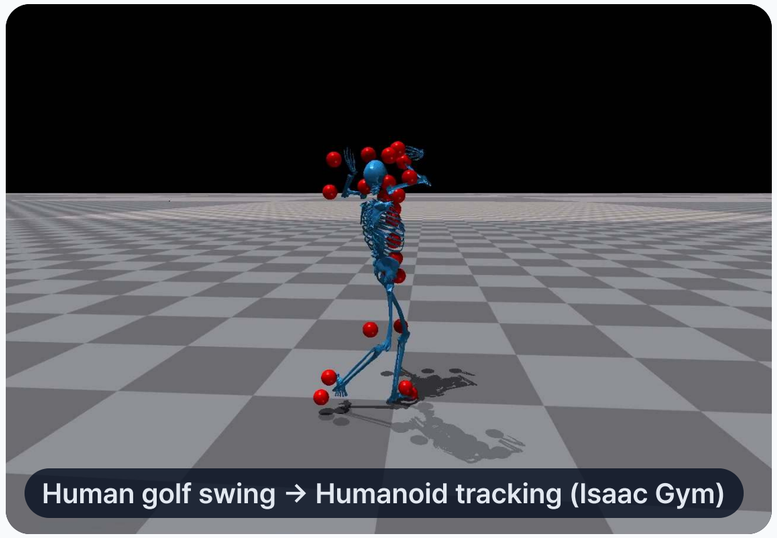
04 · SUPPLY

In the form you need

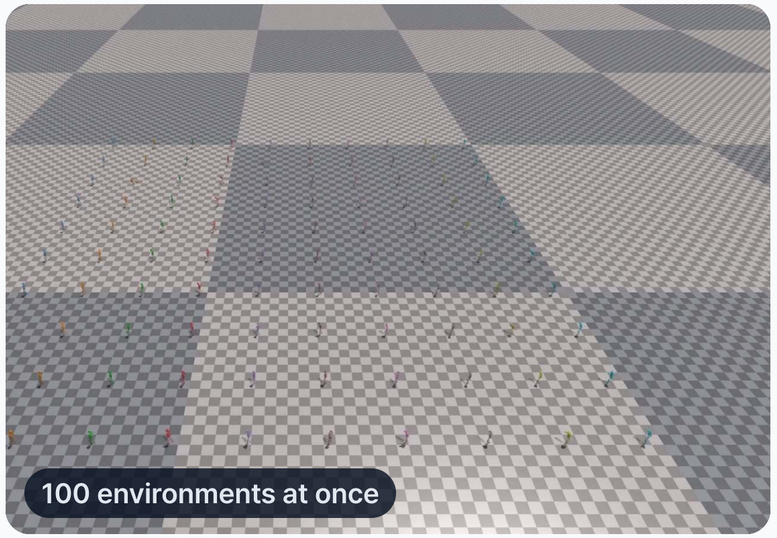
· Processed datasets

· Custom collection projects

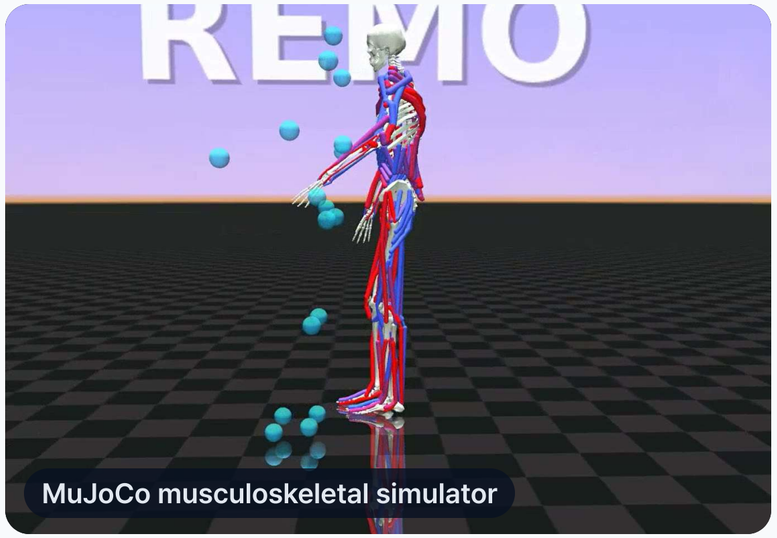
· Samples & spec sheet on request



Human golf swing → Humanoid tracking (Isaac Gym)



100 environments at once



MuJoCo musculoskeletal simulator

CASE 01 Physical AI data · With Withustech · Industrial CCTV

CCTV Worker motion data

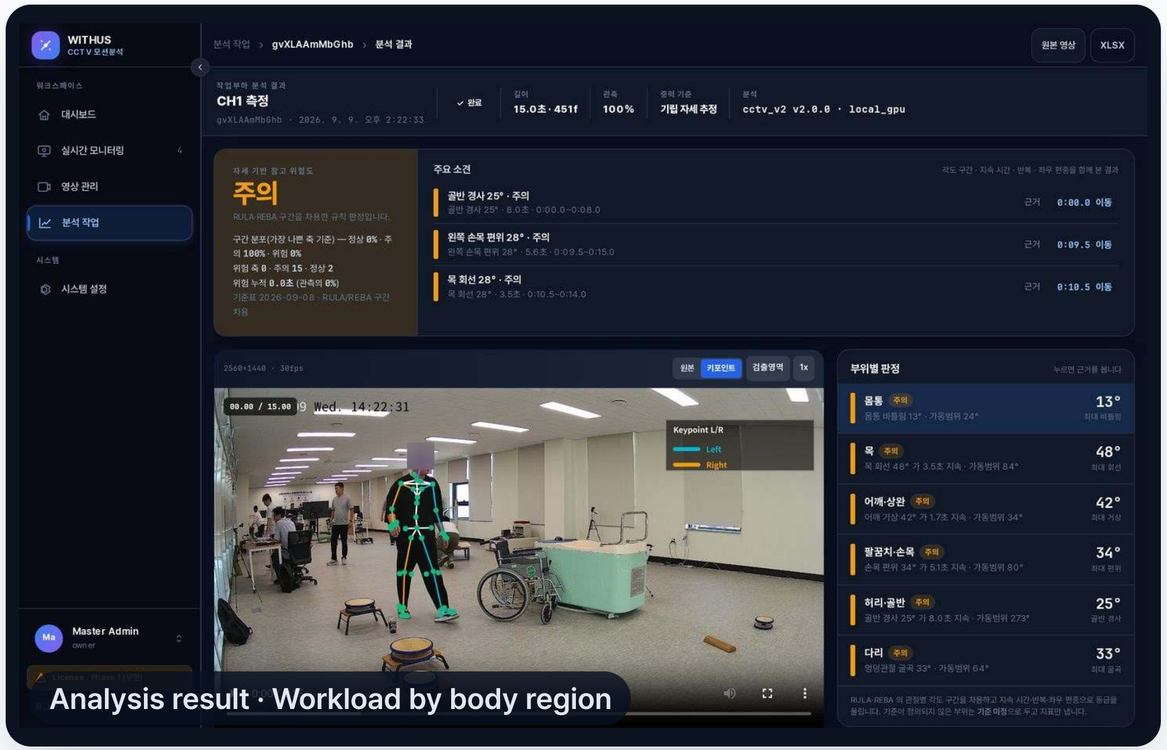
We **connect directly to 4 existing CCTV channels** to measure work scenes, compute joint angles, and **grade workload by body region**.

4 ch	3 planes	31 axes	6 regions
Simultaneous live	Sag · Front · Trans	Joint-angle metrics	Workload grades

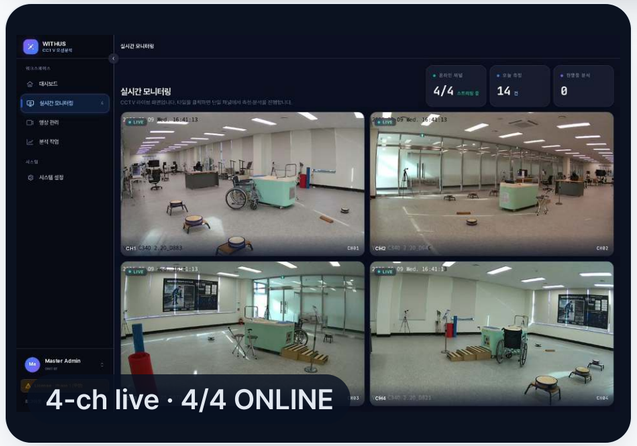
Live view ▶ Capture ▶ Keypoints ▶ Workload grade

- **On-demand streaming** · RTSP only while viewing
- **Segment analysis** · Originals preserved; clips up to 120 s
- **Frame-accurate overlay** · Charts ↔ video sync
- **RULA · REBA-based grading** · 6-region grades + angle series
- **Repetition · L/R asymmetry** · 3D skeleton · XLSX export

On-prem GPU · L40S | Air-gap ready | Next.js · FastAPI | Role-based access



Analysis result · Workload by body region



4-ch live · 4/4 ONLINE

Every grade shows its basis

- Observation rate & reference date
- Unobserved spans left blank
- A reason instead of a value if data is short

CASE 02 Physical AI data · Thailand gait analysis PoC

REMO Data Bridge

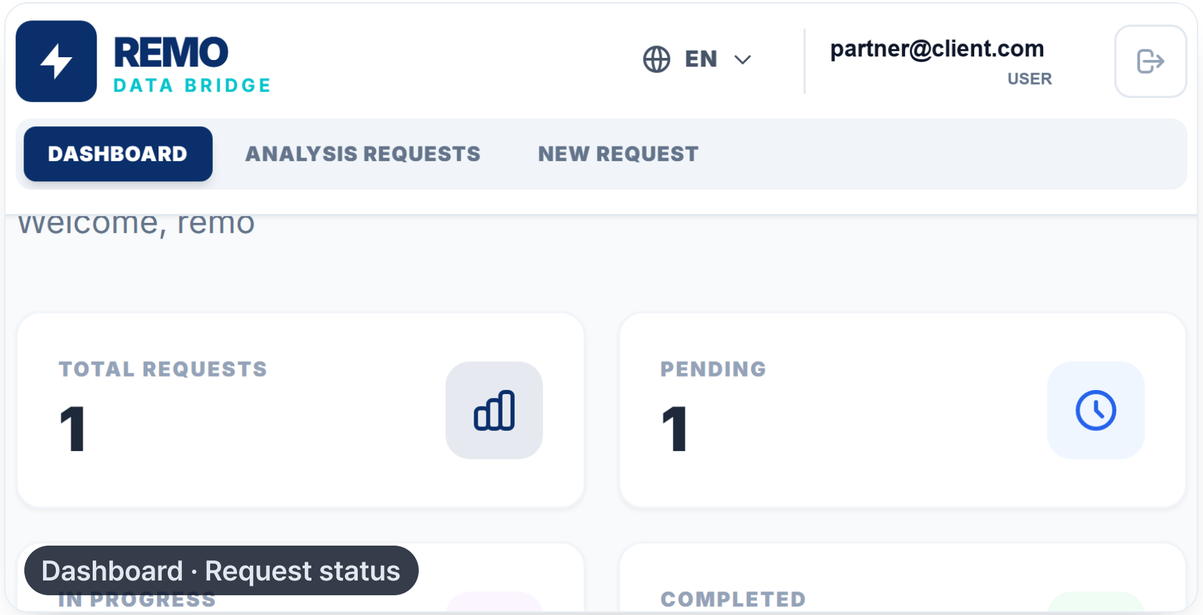
A **consent-first, encrypted** path that brings video and data from overseas sites to REMO servers and returns the results — a **data gateway**.

Local upload ▸ Transfer consent ▸ Encrypted transfer ▸ REMO server analysis ▸ Results returned

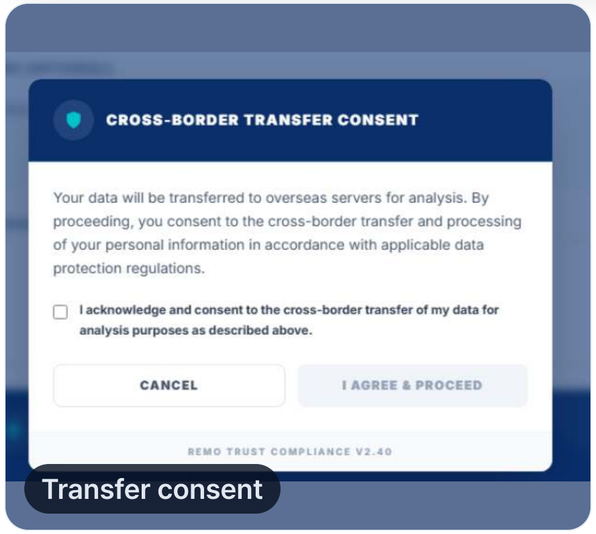
- **Cross-border transfer consent** · Consent screen shown before every request
- **AES-256 encryption** · In transit and at rest
- **Request tracking** · Pending · In progress · Done, result download
- **3 languages** · English · Thai · Korean

Deployed in

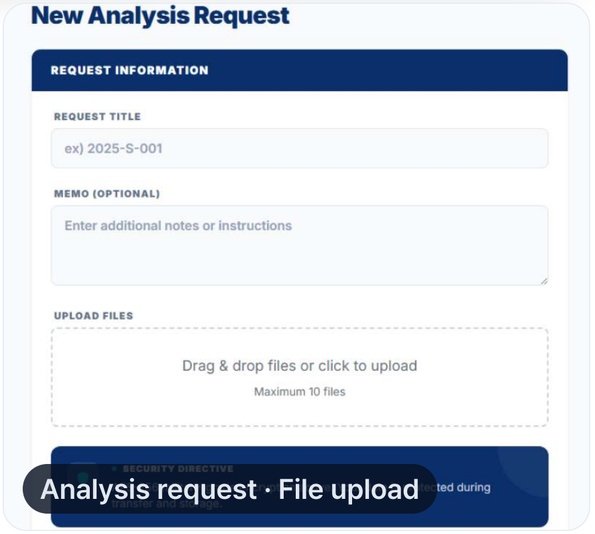
Thailand: gait analysis PoC with NTiBuzz & SmartOkO · Tripartite MOU (Mar 2026)



Dashboard · Request status



Transfer consent



Analysis request · File upload

TEAM · CORE MEMBERS

A team of AI, engineering, planning and design experts

CEO



Bae, EunKyung

M.S. Biomedical Eng., Yonsei · Ph.D. coursework completed, Ulsan
Former researcher, Asan Medical Center
Registered 3D body-analysis patent · 2 SCI papers
2 talks at international rehabilitation conferences

CAIO

Yoo OO

Reinforcement learning & vision AI expert
Biomedical engineering, Asan Medical Center

CMO

Seok OO

M.S. Product Design, Hongik Univ.
UI/UX · 3D · VR

AI Product Planner

Bang OO

Yonsei University
Industrial Design

AI Developer

Kim OO

Yonsei University
Statistics

PARTNERSHIP · HOW WE WORK TOGETHER

Working with REMO — 5 ways

01 **Distribution partner** Distribution

Regional distribution of FINEFIT AI Mirror · Installation & operation support

02 **Distributor · Vendor** Distributor

AI Mirror + Simpro bundle · Fitness equipment channels

03 **OEM · API license** Technology

Embed Simpro and our body & motion analysis engine in your product

04 **Physical AI Data** Data

Processed datasets · Custom collection projects

05 **Co-development · Localization** Co-dev

Local language & service customization · Local PoC

Next step

After our first meeting, we will share a supply terms sheet (price · MOQ · after-sales) together with a sample and demo schedule.

REMO Inc.

Human movement into data, data into services

- **FINEFIT AI Mirror** — 2 photos, body-shape analysis in 1–5 s
- **FINEFIT Simpro** — Video motion analysis for coaches & athletes
- **Physical AI Data** — Human motion data for humanoid training

WhatsApp

WeChat

LinkedIn

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