An integrated sensor suite and training application for cyclists

Summary

Profile type	Company's country	POD reference
Business Offer	**Cyprus**	**BOCY20240125007**

Profile status	Type of partnership	Targeted countries
PUBLISHED	**Commercial agreement** **Investment agreement** **Outsourcing agreement** **Supplier agreement**	**• World**

Contact Person	Term of validity	Last update
Noriko MITA	**25 Jan 2024** **24 Jan 2025**	**25 Jan 2024**

General Information

Short summary

A complete tech suite designed and developed for cyclists. It consists of a sensor capturing the inclination of the cyclist on the bicycle, a mobile app connected to the sensor and other third-part sensors such as power meters showing real-time the current cycling position of the cyclist along with the rest captured cycling metrics. Also, a web platform has been developed where the athlete can monitor their progress with charts, statistics, comparison tools and more.

Full description

An innovative complete cycling training suite that can monitor, correct, and analyse in real-time the cyclists' position during a cycling ride. The tech suite consists of a smart sensor that tracks the position, a mobile app that handles the data from the sensor and provides real-time feedback, and an online training platform where a plethora of tools are available for a deeper understanding of the relation between body position and performance.
It can provide what other training platforms offer to cyclists athletes plus the information and analytics on the cycling position.

SPECIAL FEATURES:
Analyse Cycling Data
Keep record, present instantly important statistics for the athlete's progress and analyse performance trends.

Cycling Position Tracking
Track & analyse the aerodynamic cycling position in real-time.

Indoor And Outdoor
Use it both for indoor rides with a turbo trainer and for outdoor rides.

Interconnectivity
Connect it with other available devices and collect more cycling metrics (power, cadence, balance).

Integration
Connect account from other training platforms.

Advantages and innovations

POSITION ANALYTICS
Access to overall cycling position analytics (%time spent, power, hr, speed etc in each different position).

CYCLING POSITION INSIGHTS
Deep understanding of how cycling position works.

DEEP ANALYSIS
Analysis of all training data with smart algorithms.

PERFORMANCE ENHANCEMENT
Information on how to improve the athlete's performance using progress and trends analytics.

CUSTOM TRAINING
Custom training plans and workouts based on your goals and fitness level.

COACHING SERVICES
Connect to their coach, for training plans, monitoring and feedback.

MOTIVATIONAL
Goals, Badges, and Gamification keeps the athlete motivated to complete their training plans and achieve their personal ambitions.
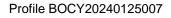
Technical specification or expertise sought

Stage of development

Available for demonstration

Sustainable Development goals

• Not relevant

IPR Status

Secret know-how

Partner Sought

Expected role of the partner

Business Cooperation

Type of partnership	Type and size of the partner
Commercial agreement	• **SME 11-49**
Investment agreement	• **Big company**
Outsourcing agreement	• **SME 50 - 249**
Supplier agreement	• **SME <=10**

Dissemination

Technology keywords

• **01001002 - Digital Systems, Digital Representation**

• **001001004 - Electronic engineering**

• **001001005 - Embedded Systems and Real Time Systems**

• **001001012 - Peripherals Technologies (Mass Data Storage, Displays)**

Market keywords

• **07001004 - Sporting goods, hobby equipment and athletics clothes**

• **03004003 - Other electronics related equipment**

• **07001007 - Other leisure and recreational products and services**

Targeted countries

• **World**

Sector groups involved

• **Electronics**

• **Digital**