

## **AlGym Smart Training | Technology Empowering Rehabilitation and Health**

**AlGym specializes in intelligent strength training systems that integrate Artificial Intelligence (AI) and Internet of Things (IoT) technologies, bringing innovative solutions to the rehabilitation and health industries. Our patented technologies, combined with real-time data tracking and analysis, set us apart in providing unparalleled personalization, safety, and efficiency. AlGym 's system is ideal for medical institutions, fitness centers, and health management applications.**

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### **Key Features & Highlights**

#### **1. Intelligent Exercise Assessment and Monitoring**

**Function:** Advanced sensors and AI algorithms record real-time exercise performance, providing professional motion analysis and actionable insights.

**Benefit:** Enables users and trainers to monitor progress with precision, optimizing safety and training efficiency.

#### **2. Data-Driven Rehabilitation Training**

**Function:** Automatically generates personalized rehabilitation training plans and dynamically adjusts loads and movement suggestions based on performance.

**Benefit:** Provides tailored and scientific training plans for users, ensuring effective recovery and health management.

#### **3. Medical-Grade Reporting**

**Function:** Delivers professional reports after each session, including exercise scores, stability evaluations, and actionable improvement recommendations.

**Benefit:** Offers objective data for physicians and trainers to support user progress and health management goals.

#### **4. Smart IoT Connectivity**

**Function:** IoT technology enables remote monitoring and real-time data synchronization, driving smart healthcare and urban health initiatives.

**Benefit:** Integrates health data across platforms, supporting advanced health management and smart city development.

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## Patented Technologies and Unique Value

### Eccentric Training Technology (Patent No: I840182)

- **Function:** Reduces physical strain while significantly improving muscle strength, making it ideal for post-surgery rehabilitation and users with sarcopenia.
- **Benefit:** Provides a safe and effective solution for users across different fitness levels, from recovery to advanced training.

### Maximum Strength Curve Measurement (Patent No: I838256)

- **Function:** Dynamically adjusts resistance based on user strength curves to match the force required for each motion angle.
- **Benefit:** Eliminates the limitations of fixed weights, reduces injury risk, and enhances training efficiency.

### AI-Driven Personalized Training Plans

- **Function:** Generates scientifically backed, customized workout plans in just 3 seconds, adapting to each user's unique performance.
- **Benefit:** Ensures that every user receives a highly personalized experience, increasing satisfaction and engagement.

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## Applications & Value

- **Medical Rehabilitation Centers:**  
Assists physicians in accurately evaluating patients' conditions and improving rehabilitation efficiency and outcomes.
- **Smart Fitness Centers:**  
Provides users with scientifically guided training, combined with health data analysis, to deliver a premium and intelligent health management experience.
- **Urban Health Management Systems:**  
Supports governments and corporations in advancing public health

initiatives and optimizing urban health infrastructure through smart technologies.

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### Why Choose AIGym?

- 1. Market-Leading Technology:**  
Patented innovations in eccentric training, dynamic resistance adjustment, and AI safety monitoring deliver industry-leading performance and reliability.
  - 2. Unparalleled Personalization:**  
AI-driven solutions ensure every user enjoys a bespoke training program tailored to their unique needs.
  - 3. Comprehensive Ecosystem:**  
Combines medical, fitness, and health management into a seamless, integrated solution for individuals and cities alike.
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### A Complete Health Ecosystem

AIGym 's solution is not just intelligent training equipment—it's a comprehensive health ecosystem. By leveraging patented technologies and data-driven insights, AIGym empowers users to achieve their rehabilitation goals, enhance fitness performance, and embrace a smarter, healthier lifestyle.

Contact us to discover more possibilities!

[WWW.AIGYM.COM.TW](http://WWW.AIGYM.COM.TW)

<https://youtu.be/zaJTSwr3gqk?feature=shared>