Freedom to Move in Every Direction.

OmniAlpha | Proprietary powered all-direction motion platform

Natural walking and running in any direction on one compact, powered platform, with standalone and connected applications.

A Critical Missing Capability in Immersive Experiences.

As AI-generated worlds and embodied AI advance, OmniAlpha is designed to provide a physical movement interface connecting people with increasingly interactive digital environments.

Addressing a longstanding technological challenge, the platform also offers opportunities across fitness, sports performance, rehabilitation, simulation and robotics.

THE OPPORTUNITY

MOTIVE Realities has developed a working proof-of-concept of OmniAlpha through substantial engineering R&D. Its powered movement approach is designed to address compromises in movement, equipment footprint, complexity and cost, with applications beyond any single industry.

TECHNOLOGY & TRACK RECORD

OmniAlpha. Proprietary powered locomotion technology developed and prototyped through substantial engineering R&D.

Patent pending. Published international patent application WO 2026/019332 A1.

COMMERCIAL OPPORTUNITY

Premium equipment. Fitness, sports performance and specialist training; potential OEM and longer-term consumer markets.

Rehabilitation & mobility. Movement training, rehabilitation and physical conditioning.

Connected experiences. Fitness, entertainment and simulation, with digital content and software revenue potential.

AI-generated worlds. The physical navigation interface for interactive, AI-generated 3D environments, connecting digital world creation with natural human movement.

Robotics & embodied AI. Potential applications in robot teleoperation, movement data capture and embodied AI training.

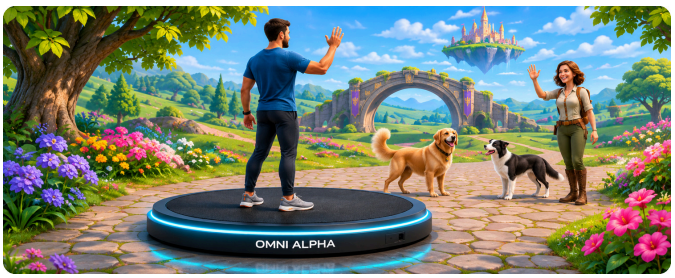
Fitness & Sports Performance



Rehabilitation & Mobility



AI-Generated Worlds & Interactive Experiences



Robotics & Embodied AI



Concept renders - illustrative only

DEVELOPMENT & CAPABILITY

MOTIVE has led the development of proprietary locomotion technology, AI/ML-enabled connected systems and immersive digital experiences, coordinating multidisciplinary engineering and software teams internationally.

COMMERCIALISATION & STRATEGIC PARTNERSHIPS

MOTIVE is exploring strategic partnerships to advance OmniAlpha through its next phase of engineering refinement, systems integration and design for manufacture. Potential collaborations include funded development, manufacturing expertise, market access and complementary technology capabilities.

Interested in exploring opportunities with MOTIVE? Contact us to arrange an initial discussion or request further information. Introductions to relevant strategic and commercial partners are also welcome.

MOTIVE Realities | Commercialisation & Strategic Partnerships

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