



**motion**  
INFORMATICS

# The Future of Neurorehabilitation

## Spatial StimelMD (SSMD) Where AI, Biofeedback, and Augmented Reality Converge

**Spatial StimelMD** merges neuroscience with spatial computing.

Through its three-layered spatial system, it interprets EMG data, adapts stimulation intelligently, and generates personalized insights for therapists and patients.

In augmented reality, patients see their movement goals unfold visually, activating mirror neurons and driving functional recovery.

### **Redefining Precision Rehabilitation:**

- Real-time EMG decoding and adaptive stimulation
- AR-guided task-specific exercises
- Integrated cloud analytics for clinician insight
- Tele-rehab compatibility with personalized progress reports

### **Applications:**

Stroke, spinal cord injury, neuromuscular disorders, gait and balance rehabilitation, and home-based tele-rehabilitation.

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