Science Park

The High Tech Incubator

Graz

esa space solutions

Austria esa-bic.at

Sensyo

Sensyo is the future of digital muscle training that uses AI-powered muscle activity analysis to enable personalized, health-promoting workouts: monitored, controlled, and guided by clear real-time feedback.

Sensyo is redefining surface electromyography (sEMG) by using AI-powered modeling to make complex muscle activity data accessible and easy to use. While sEMG has traditionally required expert handling in clinical or research settings, Sensyo simplifies the process through automated calibration and intuitive feedback.

The goal is to make high-quality muscle monitoring available for everyday use – from personal fitness to home therapy and digital interaction. This project unlocks the proven power of EMG technology for broader, practical applications beyond the lab or clinic.

USP

An affordable, wearable trainings sleeve that requires no clinical setup, analyzes muscle activity in real time, and delivers personalized feedback—powered by AI and connected to an online dashboard. Plug-and-measure instead of lab complexity.

Space connection

Incorporating a patent with complex algorithms for pattern recognition, adjusted to our requirements.

Team

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