Dividat

Company presentation

Cognitive-motor training concepts: new technologies today - for the movement of the future

As a spin-off of the ETH Zurich, Dividat develops technology-based training systems to promote independent mobility and functional independence in old age, after an accident or illness. In addition, Dividat combines know-how from the fields of motor science, neuroscience, computer science as well as logic and artificial intelligence. Dividat is a Swiss company headquartered in Schindellegi, SZ.

The movement: an act of the highest precision

Humans interact millions of times a day through movement with their environment. For this they pick up stimuli via the sensors of the sense organs and lead them via nerve fibers to the brain. The central nervous system processes the stimuli and responds. The answer is a perfectly metered movement: Timely, precise and executed with precisely dosed force and speed.

In old age or after illness, it is often difficult for people to interact with their environment. Previously smoothly functioning motion designs pose a challenge. For the affected person, this has noticeable consequences in everyday life.

Successful interaction of sensory organs, brain and musculature

For the functioning of this interaction, the cognitive motor training initiates new impulses. The recording, processing and transmission of stimuli is trained so that everyday movements meet the required precision. New technologies that simultaneously address cognitive and motor functions in virtual worlds are most effective in achieving the goal of safe locomotion.

Modern and intelligent: Dividat Senso

The Dividat Senso forms the basis for cognitive-motor training. Based on sensors positioned on a base plate, the center of gravity, the targeted application of force as well as the steps are recorded dynamically. In conjunction with the intelligent software Dividat Play, significant motor movements are playfully linked to personalized cognitive tasks.

The Dividat Senso at a glance

- High-resolution motion detection in real time
- Visual, acoustic and tactile stimuli and feedback
- Intelligent software environment for a personalized training
- High quality and compliant with standard norms

Spinoff **ETH**zürich

swiss made software

CE

Concepts

Dividat implements cognitive-motor training in three concepts, tailored to the needs of the respective user groups. In this way, we ensure that vital people of older age as well as those with impaired mobility experience the individual optimal training stimulus in the preferred environment.

Dividat Active

Dividat Active is a complete solution for health-oriented training for senior citizens. Scientific assessments provide information about the performance curve. The concept was developed for the areas of „living in old age", rehabilitation and fitness center 50+.

Dividat Care

Dividat Care specifically addresses the needs and opportunities of physically challenged people. With Dividat Care, people in higher care levels will also receive safe and motivating training. Dividat Care is used in nursing homes, in hospitals and rehabilitation including geriatrics.

Dividat Home

Dividat Home is a simple, easy-to-use sensor system for controlled training. With minimal infrastructure, Dividat Home brings the cognitive-motor training as an outpatient supplement into your own four walls.

BodyBrain Sarl: Fitnesscenter 50+ in Vevey (VD)

Dividat counts to date more than 150 customers. Below a selection:

Stadt Zürich Alterszentren

Überall für alle
SPITEX
Rontal plus

ETH zürich

felixplatterspital
Universitäre Altersmedizin und Rehabilitation

senevita
Betreutes Wohnen und Pflege

BodyBrain
Restez autonome !

adullam
Pflegezentren

MEDICAL PARK

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holding
wohnen im alter