The G-EO System – robotic gait trainer

Better outcomes in less time with fewer resources.™

The G-EO System is the world's most advanced robotic-assisted device in gait rehabilitation. It is the only device that offers the unique feature of realistically simulating climbing stairs. Short setup times and operation by one therapist contribute to an increased allocation of resources and the active assistive therapy makes improved results for the patient possible. – FOR A BETTER LIFE.

Main advantages of using the G-EO System

Short setup times

Stairs up and down capability

One therapist to operate

One device for all – excellent results on multiple applications

Developed with the purpose to help stroke survivors regain their ability to walk and their independence in daily living, the G-EO System has proven to get excellent results in multiple applications such as Parkinson's, infantile cerebral palsy ICP, spinal cord injuries SCI, traumatic brain injuries TBI, amputees, orthopedic and traumatic cases.

Reha Technology's direct operations and worldwide distributor network

Reha Technology AG is distributing their products through a worldwide distributor network and direct operations. This network is continuously being expanded; the following world map illustrates our current activities in a global perspective:

as of June 2014
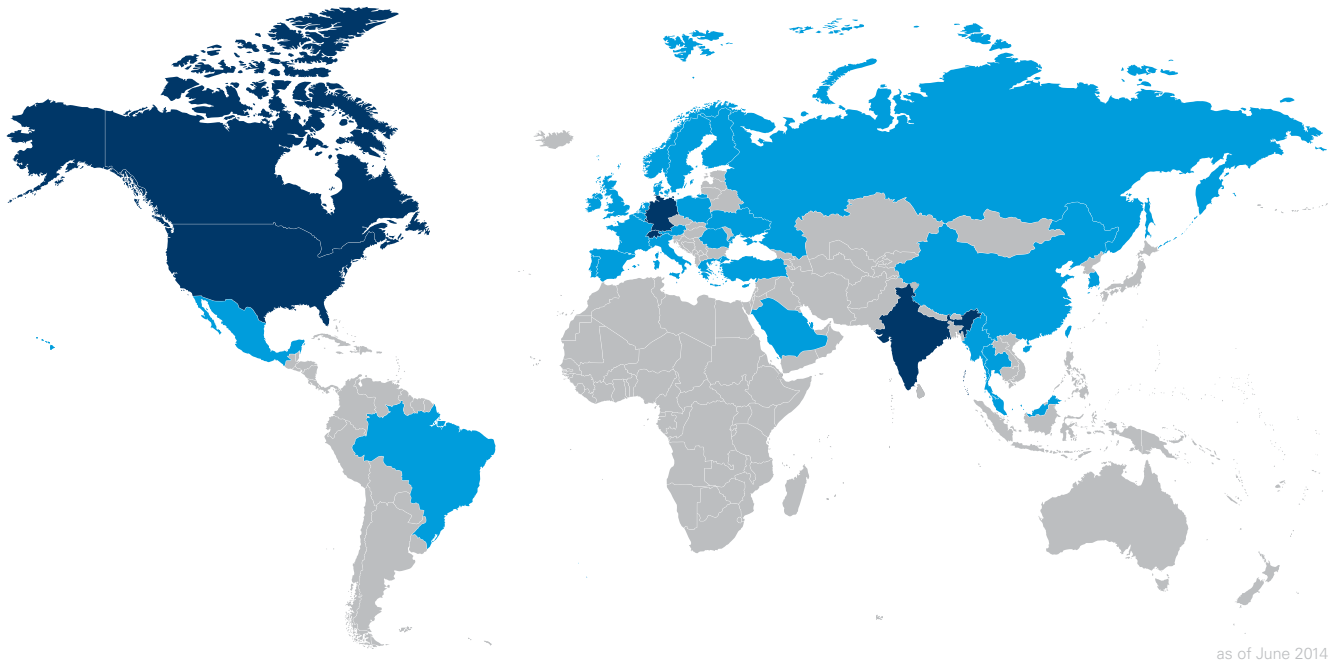
■ Direct operations by Reha Technology   ■ Official distributor

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watch the G-EO System in action on:
www.youtube.com/rehatechnology

REHA
TECHNOLOGY
FOR A BETTER LIFE

G-EO System

General technical data G-EO System

Length	406 cm (13'4")	**Pediatric height**	240 cm (7'10")	**Max. step cadence**	70 / min
Width	124 cm (4'1")	**Weight**	900 kg (1'984 lbs)	**Max. step length**	55 cm (22")
Standard height	280 cm (9'2")	**Power Supply**	110 / 230 V	**Max. step height**	20 cm (8")
Reduced height	260 cm (8'6")	**Max. velocity**	2.3 km/h (1.42 mi/h)	**Ankle angle range**	-80° / +80°

The G-EO System – robotic gait trainer

The G-EO System focuses on **simple usage** for both the patient and the therapist and on **increased allocation of resources** for the hospital resulting in significant **cost savings.** The system can reproduce any gait pattern and the capability of realistically **simulating stairs up and stairs down** is an industry first. Providing **real-time feedback** on the patient's movements with the **Visual Scenario** and offering the possibility to experience **augmented reality** further enhance the effectiveness of each therapy session. An **intelligent control** (G-EO System Evolution) reacts and adapts to each patient's individual capability by either supporting the patient - **active assistive mode** - or increasing resistance – **active mode.** Robust **data monitoring and reporting** allows for smooth data processing and precise assessment of patient performance and progress as well as evaluation for reimbursement or research purposes.

G-EO Basic

- floor walking
- partial movement

G-EO Evolution

- floor walking
- partial movement
- stair climbing up & down
- adaptive mode

Contact us to receive more information about the latest advancements in robotic-assisted rehabilitation:

www.rehatechnology.com | info@rehatechnology.com

Visual Scenario – increased patient feedback / patient motivation

Both the G-EO System Basic and Evolution are equipped with a Visual Scenario that provides enhanced visualization of real-time feedback on patient movement and performance along with additional therapy options of walking in synchronized trails.

Optional modules – customization according to the patient's needs

Knee support Module (K Module, PK Module)
The knee support module consists of one orthosis each for the right and for the left leg. The patient has additional knee stability at flexion and extension. There is also a pediatric knee support for children as small as 90cm (3 feet) until 150cm (5 feet).

FES Module (F Module)
The Functional Electrical Stimulation (FES) module consists of an additional device, which communicates over an interface with the G-EO System Evolution. This module enables a supplementary activation of the patient through multiple stimulation channels.

Pediatric Module (P Module)
The P Module permits treatment of children starting as small as 90 cm (3 feet) weighing up to 50 kg (110 lbs.).
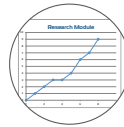
Research Module (R Module)
The R Module eases the collection of data for medical studies. All sensor and patient data can be accessed directly and stored for further data analysis.

Heart Module (H Module)
The H Module allows the integration of pulse and blood oxygen saturation into the captured data, as well as monitoring these parameters in real-time.

HL7 Database Module (D Module)
The D Module synchronizes the G-EO System database with a clinical database, eliminating the possibility of mistyping patient data during collection.