



## Press release

Olten, April 30, 2019

### Reha Technology launches the latest generation of its «G-EOs» robot-assisted gait trainer

**The market introduction of the simplified construction and functionally improved base model, the «G-EOL», in October 2018 is now followed by the launch of the «G-EOs», the latest generation from the successful and unique Reha Technology system line of robot-assisted gait trainers employing the end-effector principle. The «G-EOs» is the top model in the system line and stands out for its unrivaled diversity of 6 gait training trajectories geared to the needs of everyday life, such as forwards and backwards walking on level ground, walking on slopes, climbing and descending stairs, as well as 3 activity modes for patient support: passive, active-assistive and active.**

Reha Technology AG is among the pioneers in robot-assisted gait therapy in neurorehabilitation. For many years, the company has focused on the technology based on the electromechanical end-effector approach. With this principle, the movement initiation is controlled and induced via the feet. Over a period of more than 10 years, with the **G-EO** system family, Reha Technology has accumulated valuable experience evolving and perfecting all relevant key elements for a performance-related, high-quality therapy with lasting results.

The **G-EOs** is the premier model in the G-EO system family line by being the only robotic trainer in the market to offer neurological patients undergoing rehabilitation **6 different gait training trajectories geared to the needs of everyday life**. These trajectories simulate level ground walking (forwards & backwards), slope walking (up & down), and stair climbing (up & down) by incorporating the end-effector therapy approach with highly reproducible intensive training. The **3 gait activity modes** – passive, active-assistive and active – enable therapists to define the level of assistance or resistance offered or applied to the patient in real-time. Intelligent pressure sensors in the footplates provide the patient and the therapist with important feedback via a modern and intuitively designed user interface as to where and how much force is being applied by the patient to initiate movement via the distal fixation of the foot. In this way, in conjunction with the patient the therapist can adapt the gait therapy specifically to the patient needs and capabilities allowing to achieve the patient's functional goals.

The **G-EO** system family – the **G-EOL** and the **G-EOS** – offers different neurological pathologies the opportunity to receive achievement-oriented treatment at a very early stage of their recovery process continuing through in their chronic phase in a safe and open designed framework allowing increased patient/ therapist interaction to maximize therapeutic outcomes. Its great modularity assists the therapist and the entire therapy process based on personalized therapy goals and expanding the patient population. Thanks to the high number of intensive repetitions in robot-assisted gait training, patients develop both positive neuroplastic changes in the central nervous system and positive changes in endurance and strength. The highly intensive therapy with its reproducibility quality means a significant enhancement in the benefit of the therapy for therapists and patients. The increase in therapeutic effectiveness and improvement in time efficiency with the G-EO system supports different therapy concepts all over the world. These have led to an undisputed optimization in therapy quality and cost-effectiveness.

With the **G-EO** system family, Reha Technology provides leading rehabilitation clinics with a benefit-oriented, modern and – in terms of cost-effectiveness and efficiency – optimal solution for gait therapy geared to the needs of everyday life.



**For further information:**

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**About Reha Technology AG**

[www.rehatechnology.com](http://www.rehatechnology.com)

Reha Technology AG is a globally active Swiss technology company. With its innovative products and solutions, the company helps bring about effective and lasting benefits for people with restricted movement and physical capacity. The company combines technology, processes and software in intelligent robot technology for a therapeutically efficient, lasting and personalized rehabilitation. Our qualified and experienced specialists accompany physicians, therapists and clinics. We boost their effectiveness in therapy, enhance therapists' resources, improve the informative value regarding therapy progress for therapists, attending physicians and insurers, thus providing a beneficial impact on clinic profitability. Reha Technology AG is represented in the respective key markets in Europe, Asia and North America and owns subsidiaries in Italy and the USA. In other important markets, the company relies on carefully chosen, independent agents.