

# EXO-H2

The Exo-H2 is a lower limb robotic exoskeleton designed to aid in restoring the ability to walk in persons that have partially lost the capacity to walk or to assist paraplegic persons in walking.

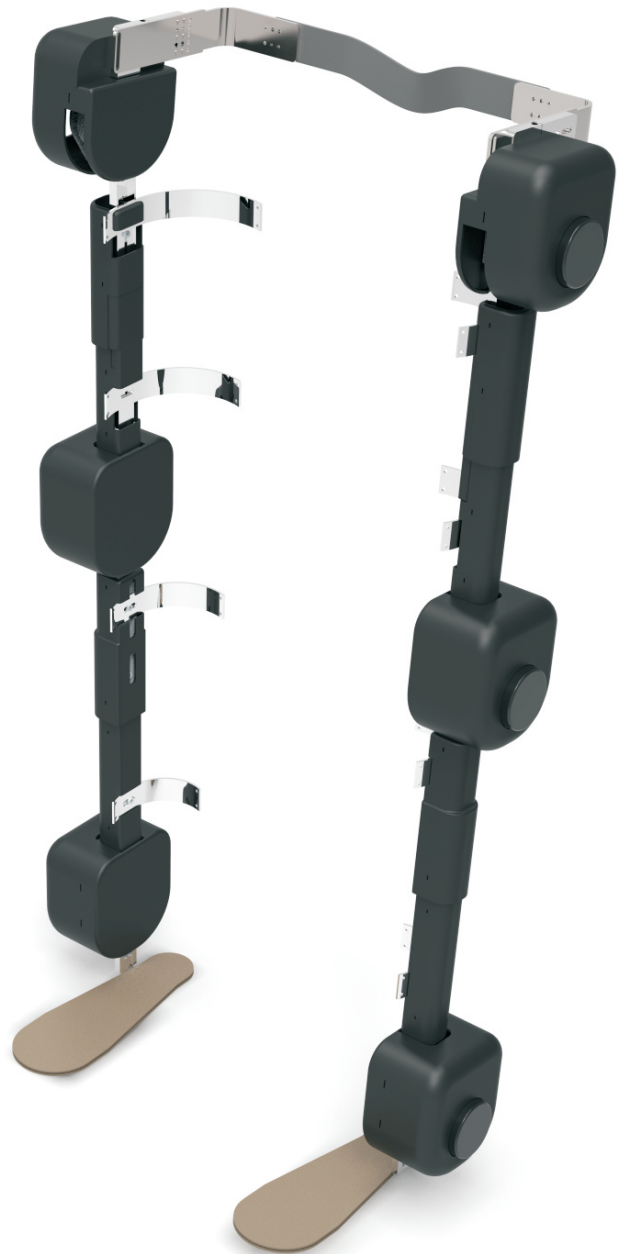
The Exo-H2 can completely emulate the process of human walking. In this way, a person with total or partial cerebral palsy of the legs can walk by using his/her own legs, when wearing the Exo-H2, with the aid of a cane or similar support asset and/or the aid of a health professional person.

The Exo-H2 is also indicated to assist in walking to those people that have partially lost the capacity of walking or to those people that need to “*learn how to walk anew*” after suffering an accident or neurological disease, such as medullar lesions, cerebrovascular accidents and in general for any cerebral damage acquired that limits the ability to walk.

It is also very useful for maintaining the tone of the legs and to activate the circulation in the legs of persons that have lost mobility in the legs or have muscle weakness.

What makes the Exo-H2 attractive with respect to similar exoskeletons is that it is designed with an open architecture that allows the user (being a therapist, professor or researcher) to modify and adjust the control parameters of the system, getting the best performance for the patient needs, as opposed to other exoskeletons which are systems with completely closed architecture.

The Exo-H2 has been the result of many years of research in the Bioengineering Group of CSIC, whom is the proprietary of the Know-How rights and has conceded an exclusive license to Technaid S.L. for the design, manufacturing and commercial exploitation of the system.



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