



SUCCESS STORY

INDEPENDENT POWER SUPPLY FOR MEDICAL EXOSKELETONS

A FRIWO systems solution in practice

Finally being able to walk again. **ExoAtlet**, the renowned medical technology company, wants to grant that exact wish to its patients with physical disabilities. The specially designed and built exoskeleton allows people who have been confined to a wheelchair to stand freely, and without assistance, for the first time since their disability – and not only stand, but walk! The “ExoAtlet II” skeleton allows the wearer to move at different speeds as well as across different types of terrain without being hindered by stairs or other obstacles.

The founders of the company had already won a number of start-up prizes for their exoskeleton idea before the finished prototype had even been presented to the public at the world's largest medical trade fair, Medica, in Germany.

Today, the exoskeleton is being used in both the private everyday life of people with long-term disabilities as well as in the clinical treatment of patients who are having to relearn unassisted walking following an accident.



FRIWO is proud to supply such a moving project with its products: The exoskeleton's mobile power supply is guaranteed with the **7S2P battery pack**, which was able to be implemented without issue thanks to its IEC62133 medical certification.

This certification is mandatory to allow for the approval of the entire medical device in accordance with EN60601. The fact that the majority of FRIWO battery packs available in the standard portfolio already have IEC62133 certification saves costs for both innovative start-ups like ExoAtlet as well as larger clients, as they avoid the major expenses associated with the medical approval of customer-specific models.

In addition, the immediate availability of designs as well as customer support through FRIWO's own approval department significantly shortens the time-to-market.

The charging of the "ExoAtlet II" battery pack also makes use of FRIWO power: A **FOX90C charger** is used with the 7S2P to craft a perfectly coordinated, single-source system solution. The optimal interplay between the charger and battery ensures the exoskeleton's maximum operational readiness.



The products can be ordered conveniently from the **FRIWO online shop**.



friwo-shop.de/en

friwo.com

exoatlet.lu



Please feel free to contact our competent staff with any questions:

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