



Press release

European leader ErgoSanté launches exoskeleton production in the USA

France, October 17, 2023 – As the European leader in the design and manufacturing of passive exoskeletons under the "Hapo" brand, ErgoSanté is pleased to announce the release of its first "Made in USA" production from its manufacturing facility located in Wilmington, North Carolina. This marks a significant milestone in the company's international expansion, following the success of its original site in France. ErgoSanté's pragmatic strategy aims to produce as close as possible to end-users, both in Europe and worldwide. By 2028, the American market is expected to account for 50% of its revenue.

In March 2023, ErgoSanté announced the production of its first components from its American manufacturing facility under its subsidiary, "HAPO USA Corporation." The arrival of the first "Made in USA" exoskeleton from its HAPO range signifies the beginning of a promising series for the fall of 2023. The exoskeleton market was valued at \$354.22 million in 2021 and is projected to reach \$1,620.04 million by 2027, with a CAGR of 12.5% during the forecast period (2022-2027), according to Mordor Intelligence™. The HAPO range, used by companies such as Louis Vuitton, Sanofi, Airbus, Mars Incorporated, and Ford, is making significant innovations in the expanding field of Physical Assistance Devices (PADs). These products aim to relieve upper limbs and back while contributing to the prevention of musculoskeletal disorders (MSDs).

Two innovations in 2023

In this period of rapid expansion, ErgoSanté continues to innovate. Following HAPO, HAPO SD, and HAPO FRONT, ErgoSanté is introducing two major innovations in 2023.



[HAPO SENSOR: The first data sensor for passive exoskeletons, designed for real-time analysis of effort >>](#)

HAPO SENSOR is a sensor controlled via a smartphone that provides real-time analysis of the intensity and frequency of bending movements by a passive exoskeleton user. The collected data offer objective and real-time insights, helping users understand the benefits of the physical assistance device by measuring the weight relieved during activity (weight and percentage). Afterward, an analysis report is provided free of charge.



[HAPO UP: The exoskeleton for overhead arm tasks >>](#)

This physical assistance device is designed to relieve the shoulders of workers engaged in tasks involving arms raised overhead. The user's arm is held in an interface at the end of an articulated arm, which is attached to the exoskeleton's belt. Physical assistance is provided through a composite material spring blade integrated at the arm joint of the exoskeleton. The effectiveness of the HAPO UP was confirmed in laboratory tests, reducing shoulder muscle strain by 40% during static overhead arm tasks when compared to the same situation without an exoskeleton. It is an interchangeable model with the HAPO UP&FRONT kit.



24 - 27 OCTOBER 2023
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Join us hall 5 / A30

WearRAcon Conference
October 26th at 4:50 PM
Hall 1 - 1st floor - Raum 15

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