

# CHRG

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News



**B-Temia develops a dermoskeleton unique in the world**  
 Reducing the impact of musculoskeletal disorders

**Québec, February 16, 2011** - One year after its foundation, B-Temia is ready to start pilot tests of its dermoskeleton, a mobility support device that reduces the impact of musculoskeletal injuries in the legs and back. This fully motorized leg support works in harmony with the user's leg movements with the goal of assisting muscular effort and reducing energy consumption while walking.

A dermoskeleton is a pure human-machine interface both on a mechanical and software level. Fitted directly on the legs of the user, the dermoskeleton supplies extra strength to the joint articulations in order to restore, to maintain or to enhance the mobility capabilities of the user. This is achieved by an artificial intelligence module capable of understanding the user's mobility intentions at any moment.

« The company's first product aims at helping soldiers suffering from musculoskeletal injuries by decreasing the effort required to move and increasing the efficiency of their movements while in operation. The costs related to rehabilitation, retraining and operational logistics related to non-deployability of soldiers is therefore greatly reduced» declared Stéphane Bédard, President and CEO of B-Temia. The rate of soldiers who can no longer be deployed due to medical issues is on the rise and could reach 16% by 2012, 68% of these medical problems are related to musculoskeletal injuries.

Financed by a group of private investors, the B-Temia team specialized in biomechatronics has developed a unique dermoskeleton positioning the company as a world leader and revolutionizing the field of mobility assistive devices. As well as protecting soldiers against musculoskeletal injuries, the B-Temia dermoskeleton could also be helpful in clinical applications such as with individuals suffering from cardiac disorders, post operative orthopedic rehabilitation, for individuals suffering from osteoarthritis or others suffering from loss of mobility.

« We are proud of what we have accomplished throughout the past year. The future is very bright for us and we are highly motivated to help as many people as possible benefit from our products and restore their autonomy in mobility », concluded Mr. Bédard.

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