



BESPOKEPLUS



"If your work speaks for itself don't interrupt"

OSOT 2021

The Ontario Society of Occupational Therapists (OSOT) are having their conference virtual this year from November 3-5, 2021! They will be celebrating their 100th anniversary having been incorporated January 1921; OSOT was the first occupational therapy organization in Canada. You can [view conference program here](#).

This year's program provides access to 26 workshops and their recordings (until January 5, 2022), Interactive Exhibit Hall with networking opportunities, awards, recognition, and their 100th Anniversary Celebration!

MC News Computes

The monthly newsletter from Motion Composites is always a good read and has some great information. This month they highlight their width calculator which determines whether or not the chair can freely move throughout the user's home environment. This is another tool for the prescriber to ensure that they are prescribing a product that will do the job for the end user and at the same time underlining the importance of having a piece of equipment that can be the most functionable possible. More Motion Composites here: [NEWSLETTER](#) [CALCULATE](#)

Motion Cares - Golden

Effective September 02, 2021, Motion Cares, formerly Motion Specialties, has expanded its mobility and home accessibility business across Saskatchewan, with the acquisition of Golden Mobility & Rehab.

Motion now has 49 locations across five Canadian provinces. "Despite the ongoing challenges of the COVID-19 pandemic, our business has had tremendous expansion over the last nine months through the addition of North Coast Home Medical Equipment (Terrace, B.C.), A-1 Wheelchairs Unlimited (Langley, B.C.) and most recently Canadian Health Care Products Ltd. (Winnipeg, MB)," said Thecla Sweeney, executive chair & CEO, Motion. "We

started the year off with a plan for aggressive growth and we couldn't be more pleased to continue this momentum with the integration of Saskatchewan's largest mobility business, Golden Mobility & Rehab Ltd."

Golden Mobility & Rehab has been in business for more than 31 years and provides sales, service and support across five locations in Saskatoon, Regina, Prince Albert, Yorkton, and Moose Jaw.

This acquisition highlights a direction that includes vehicle conversion and adaptive driving controls; is Kevin's company in Calgary ([AVS](#)) and Marco's company in Toronto ([Universal Motion](#)) next on the list of acquisitions for this Birch Hill Equity owned entity?

BMS & MBMS 5.405



Lithium technology has strengths and weaknesses, and this industry is always evolving to come up with the best systems for use in the medical supply field. Batec is working continuously to improve the product they have and to meet and exceed all aspects of the Medical Device Regulations (MDR).

This excerpt from an article published by MDPI and crediting a number of authors and contributors provides us with a good overview of Battery Management Systems (BMS) and Modular Battery Management Systems (MBMS) which is important to the evolution of Batec. "The charge and discharge state of a lithium battery must be strictly controlled, and both the operating and the storage temperature of cells are critical. Single Li-Ion cells used as power sources are equipped with autonomous electronic cell protection systems: PCM (Protection Circuit Module) or PCB (Protection Circuit Board). All the more, a large battery made of hundreds or even thousands of Li-Ion cells require constant monitoring and balancing. The complexity of such a battery pack makes it necessary to use an electronic Battery Management System (BMS) being able to get data

from every single cell and perform suitable further operations. Thus, BMSs have a crucial impact on battery systems' life cycle, safety, efficiency, and effectiveness. BMSs are also responsible for the prediction, evaluation, and control of complex operating parameters, such as State of Charge (SoC), State of Health (SoH), State of Power (SOP), State of Energy (SoE), State of Safety (SoS), State of Temperature (SoT) [21,22]. BMSs are integral components of Li-Ion battery packs. They operate continuously and consume the energy accumulated in batteries. Increasing the efficiency of these devices, and thus reducing the energy losses in the battery system, extends the time of its staying in the idle state and the time of self-discharge to reach 100% Depth of Discharge (DoD). This issue is significant both in battery packs of medium capacity and in battery packs where DoD is limited to maximize the lifetime of lithium cells [6].

By optimizing the communication algorithm and the employed scheme of interaction between the system modules, one can increase the energy efficiency of a battery pack without significant impact on the functionality of the BMS. Hence, an MBMS"

Batec has introduced an MBMS with a new power-saving wireless communication interface from batteries labelled from 5.405 and up. The main focus is to continue to optimize the energy consumption needed to power all MBMS components. Unfortunately, that MBMS technology shuts down the operation of the Batec if the set speed is surpassed. The end user would then have to switch off the Batec and turn it back on again to make it fully operational. If the end user is not aware of this safety feature, they may conclude that the battery is faulty.

Batec is working on an adjustment that will address this issue. Anyone having concerns with a unit they have will be supplied with another unit for interim use although Batec is in the process of sending over the parts required to deal with this issue along with a master technician who will also take the opportunity to augment an online technical update for the certification of installers. Watch for dates and times later next week.

ETAC Buys Ki Mobility



ETAC has acquired Ki Mobility to complement their goal of becoming a global leader in the

complex rehab technology and patient handling field. ETAC confirms that it will be business as usual keeping the leadership in place with the task of creating a dedicated mobility organization for sales and service of not only Ki

Mobility, but also Convoid, R82, and Star products for the North American market.

We brought Ki Mobility into the country about 12 years ago, developed the product line through the dealer network and then Ki Mobility started selling direct to that network. They have good product, strong commercial properties, and competitive pricing.

NSM Moves into Red Deer

National Seating and Mobility (NSM) have made another acquisition in Red Deer, Alberta. The company is a provider of comprehensive mobility solutions and was independently owned and operated by Ian Findlater who has more than 30 years experience in the Home Medical Equipment (HME) industry. He will continue on to lead the NSM team in that area. This is NSM's first location in the province of Alberta.

"At NSM, our desire is to help individuals gain access to the full range of mobility solutions and accessibility services currently available," said Bill Mixon, NSM CEO. "This acquisition deepens our commitment to our Canadian customers and broadens our reach, allowing us to support even more individuals in their journey to achieve greater independence."

NSM now operates 23 locations in Canada, serving clients in six provinces.

Bits and Bytes

- 49 Abilities Expo Oct 1-3, 2021 New York, NY;
- 49 Rehacare Dusseldorf, DE **Cancelled 2021**;
- 49 37th ISS **Postponed to 2022** Pittsburg, PA;
- 49 Abilities **Postponed to 2022** Los Angeles, CA;
- 49 Abilities Nov 12-13/21 postponed Toronto, ON;
- 49 9th Annual SCI [Virtual](#) Conference Nov 16-18, 2021;
- 49 Abilities Expo December 3-5, 2021 Dallas, TX;
- 49 37th ISS **Jan 31-Feb 2, 2022** Pittsburg, PA;
- 49 Abilities March 4-6, 2022 Los Angeles, CA;
- 49 Abilities May 13-14, 2022 Toronto, ON;
- 49 Rehacare Dusseldorf, DE **September 14-17, 2022.**

BESPOKE PLUS is the newsletter of 49 Bespoke Inc., which markets products from around the world designed to better meet the needs of people with a disability.

We have grown up in sport, have a social service background, and have adopted an advocacy role in our business practice. **Comments are welcome.**