

SUPPORTING GROWTH AND SUCCESS



Analyzing Performance with the BLUR Skate

Scott McMillan knows that in the competitive world of professional sports, optimizing performance is key to winning. After six years working with the Adidas Innovation Team, Scott branched out to pursue his own innovative idea: a hockey skate that would track various aspects of a player's stride - timing and coordination, differences between right and left legs, and how their balance shifts as they skate.

McMillan brought his idea to BCIT and MAKE+ and got to work on an alpha prototype. MAKE+ worked with Scott to create a device that would integrate with a hockey skate to monitor the skater's activity without interfering with the skater. In six months' time, the project was complete, and the initial prototype was leveraged to generate more funding for the next phase of the project.

"What we are doing [for the second project] is building another ten units and making everything smaller and more efficient, and getting it into more of a production-ready mode," says MAKE+ director, Nancy Paris. "This is a very exciting project that will have a great impact on the economy and ice sports. This technology doesn't currently exist. This will be brand-new."

MAKE+

MAKE+ is a multi-disciplinary team of expert product developers and evaluators in the areas of health, consumer, and industrial technology. With help from BCIT students and faculty, MAKE+ supports BC businesses, solving industry problems and paving the way for future economic and social prosperity.

The MAKE+ group contains a sub-group of experts, the Product and Process Applied Research Team (PART), certified to conduct projects following ISO 13485 and ISO 9001. This team is capable of taking complex projects and ideas from requirement discovery and concept development on through to verification and validation of a product's performance.