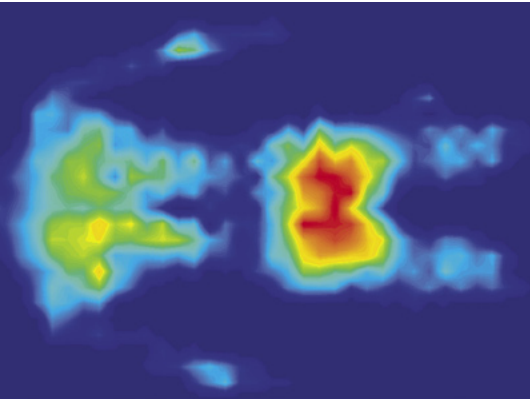


This spotlight is a joint initiative of Alberta's Science & Technology (ASTech) Foundation, Alberta Venture and the University of Alberta

One of a series of spotlights on Alberta's science and technology champions

The Alberta Science and Technology (ASTech) Leadership Foundation is a not-for-profit organization that celebrates outstanding science and technology accomplishments.

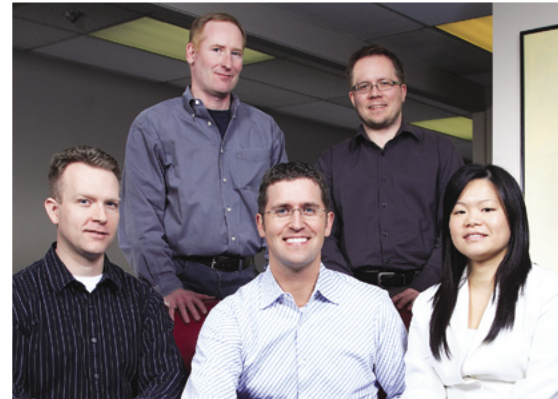
XSENSOR Technology turns the science of sensing into profitable products



Sensors detect high pressure points, which contribute to pressure wounds in immobile individuals



XSENSOR Technology's patented XSENSOR software measures, records and displays real-time data



Front (L-R) Terry Russell, Aaron Chronik, Cynthia Au-Yeung
Back (L-R) Ian Main, Sebastian Barnowski

Being stuck in a wheelchair or immobilized in a hospital bed can be a pain in the rear. But thanks to XSENSOR Technology's pressure imaging systems, pressure wounds could soon become a thing of the past. And, as XSENSOR's popularity increases, other industries are reaping the benefits of the company's cutting-edge technology.

XSENSOR Technology was awarded this year's ASTech Award for Industrial Research, based on its pressure imaging technology. While Aaron Chronik, Chief Financial Officer for XSENSOR, won't say exactly how the sensors are made – "that's like telling how we put the Caramilk inside the Caramilk bar," he says – the technology developed by the dynamic product team involves the design and manufacturing of three components: the sensor pad (which is less than a millimetre thick and is extremely durable), the XSENSOR electronics system which relays information to the computer, and the software which converts the data into images on the com-

puter screen. Sound confusing? It's not and, most important, it shows a physical action in an easy-to-view format.

While the X2 version was popular, Chronik says the X3 version, released this year, is designed specifically for its portability and user-friendly aspects. The X3 version, like its predecessor, is available in the medical and industrial fields and supplies "repeatable and accurate pressure distribution information" to clients like NASA, The United States Navy and automobile manufacturers including BMW, Volkswagen and General Motors.

"The evolution of the base concept of our pressure imaging system is to make it more accessible, and we've done that," says Chronik. "It's been three years of effort and, thanks in part to our relationship with the National Research Council, we've realized our vision to develop a new and innovative product alongside building a great team."

For 2006 ASTech Awards nomination forms or information visit www.astechnology.com

Patron of the ASTech Foundation

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