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Cluster E-News Sustainable Infrastructure Update

...fostering the development and commercialization of innovative sustainable infrastructure solutions for the global marketplace.



New Wave Technologies Moving from Innovation to Commercialization

Three-and-a-half years ago, Patrick Mah was challenged by his father to develop his own technology driven business. Mah, who holds a degree in Biotechnology from the College of Commerce at the University of Saskatchewan, took the challenge and has since founded New Wave Environmental Technologies in Saskatoon.

New Wave is now in the process of the successful realization of one of its major technical milestones, which is proving its remedial platform technology.

“The remedial tests focus on accelerating the rate of degradation in contaminated soil,” says Mah. “New Wave’s technology has the potential to degrade harmful hydrocarbons and solvents found in contaminated soil by using a proprietary technology platform.” Future applications include remediation of dry cleaning sites, oil wells, and service stations.

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NRC-CSIR: Developing Sustainable Infrastructure for Today and Tomorrow

With the slogan, “bringing quality to the built environment”, the NRC Institute for Research in Construction is investing in the Sustainable Infrastructure Cluster in Regina through the NRC Centre for Sustainable Infrastructure Research (NRC-CSIR).

The Sustainable Infrastructure Cluster initiative is helping to improve the quality of life for future generations by focusing on science and technology solutions to make infrastructure more sustainable – socially, economically

Sustainable infrastructure...

is the planning, designing, constructing, and maintaining of infrastructure to meet the needs of the present without compromising the future. Drinking water, storm water and wastewater systems, highways, bridges, sidewalks and roads are all part of our infrastructure. The goal is to make this infrastructure more sustainable – socially, economically, and environmentally.

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and environmentally.

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Cluster Champions Profile: John Hopkins

“The Sustainable Infrastructure Cluster gives us a focus on the national and the international stage,” says John Hopkins. “This is something that we need to be doing.”

The Regina and District Chamber of Commerce CEO is a Cluster Champion and realizes the importance of promoting the Sustainable Infrastructure Cluster in Regina. He says the city has been noted for its commitment to developing environmentally sustainable technologies. There are a number of innovative companies who are working with research institutes such as the National Research Council and the University of Regina.

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The Sustainable Infrastructure Cluster, facilitated by Communities of Tomorrow, provides consulting services to industry firms and researchers from the idea phase to the marketplace, including access to funding support to quantify an idea or prove a product’s potential. Do you have an idea that could lead to an innovation in sustainable infrastructure? Tell CT about it and help make it a reality.

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Water quality issues under review at the University of Regina

The quality of water in Saskatchewan’s First Nations communities is under review by Dr. Dena McMartin and her research team at the University of Regina. The team has completed two research components – studying the chlorination efficacy at water treatment plants on First Nations reserves and considering on-the-tap solutions for disinfecting potable water.

The study is being conducted in collaboration with two First Nations communities – one north of Saskatoon and the other in the Regina area – and is being assisted by Agriculture and Agri-Food Canada (AAFC). AAFC is ensuring that all requirements set by Health Canada and Indian & Northern Affairs Canada are followed in the study.

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