



CYBERA



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News Release

For Immediate Release

Cybera Launches Solar-Powered Datacentre In Canada's First "Green" Internet

Calgary, AB (June 29, 2010) – Calgary's information and communication technology (ICT) sector is about to become a little more environmentally friendly. This morning Cybera, with national partners CANARIE and the GreenStar Network (GSN) Project, connected a rooftop solar-powered datacenter to Canada's first "green" powered internet network.

Over the next few months, the GSN Project will connect five different nodes across Canada, each powered by renewable energy sources as they store and transfer research data for pilot user groups. The Calgary node, managed by Cybera, will draw more than 230 watts of power from eight solar panels installed on roof space donated by Calgary Technologies Inc. in the Alastair Ross Technology Centre.

"Cybera is proud to participate in this collaboration of forward-thinking industry, university and government agency groups to usher in a new era of powering information technology using sustainable and "green" energy sources," said Robin Winsor, Cybera President and CEO.

The GreenStar nodes will act as small datacenters – facilities designed to hold computer servers – and will draw power from renewable energy sources such as wind, water and the sun. If the node uses up its power supply before it is able to recharge, the data will be seamlessly transferred along the network to another operational node.

"The GreenStar Network aims to ensure that our carbon footprint doesn't increase as the world becomes more reliant on information and communications technologies," said Dr. Mohamed Cheriet, Director of Synchronmedia at ÉTS and spokesperson for the GreenStar Network.

Earlier this year the GSN project received \$2 million in funding from CANARIE, Canada's Advanced Research and Innovation Network, through CANARIE's Green IT Program. The GSN network is expected to eventually extend into the United States and overseas to Spain, Belgium, and Ireland.

"As a global leader supporting projects that enable research and innovation, CANARIE sees great potential in the GreenStar Network for developing next-generation technologies committed to innovative and environmentally-friendly technological advancements," said CANARIE President Jim Roche.

For more information about the project, please visit: <http://www.cybera.ca/project/greenstar-network>.

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BACKGROUND

About Cybera

Cybera is an Alberta-based not-for-profit organization that spurs and supports innovation to advance the economic well-being of all Albertans. Cybera collaborates with public and private partners to accelerate research and product development in priority areas such as health, energy, environment, and emerging technologies. Cybera operates CyberaNet, a high-speed high-bandwidth advanced network in Alberta, and provides project management services WestGrid, a consortium that provides advanced computing in support of research across Canada.

About the GreenStar Network Project

The goal of the GreenStar Network Project (GSN) is to initiate a Canadian consortium of industry, universities and government agencies with the common goal of reducing greenhouse gas (GHG) emissions arising from information & communication technology (ICT) services. GSN will combine renewable energy with rigorous carbon accounting to provide state-of-the-art ICT infrastructure upon which universities, businesses, and governments can provide certifiably low-carbon services. The expected result is the creation of tools, protocols, procedures and use cases for a growing network of ICT service providers that offer customers the lowest price and greenest services. For more information, please visit the GreenStar website.

About CANARIE

CANARIE Inc. is Canada's Advanced Research and Innovation Network. Established in 1993, CANARIE manages an ultra high-speed network, hundreds of times faster than the internet, which facilitates leading-edge research and big science across Canada and around the world. More than 40,000 researchers at over 300 Canadian universities and colleges use the CANARIE Network, as well as researchers at institutes, hospitals, and government laboratories throughout the country. The CANARIE Network enables researchers to share and analyze massive amounts of data, which can lead to ground-breaking scientific discoveries. CANARIE's network, programs, and strategic partnerships with 12 regional networks in Canada, and 100 international networks in more than 80 countries, stimulate research that delivers economic, social, and cultural benefits to Canadians. CANARIE is a non-profit corporation supported by membership fees, with major funding of its programs and activities provided by the Government of Canada. For additional information, please visit the CANARIE website.

About Calgary Technologies Inc

Calgary Technologies Inc. (CTI) works with entrepreneurs to help them accelerate the success of their technology company, and looks for opportunities to help businesses make connections within the sector. Established in 1981 as a joint partnership with the City of Calgary, the Calgary Chamber of Commerce and the University of Calgary, CTI is a not-for-profit organization and offers a suite of programs, services and resources for business commercialization and incubation. CTI's main offices are located at the Alastair Ross Technology Centre (ARTC), a full service business centre for technology companies in Calgary, which is owned and operated by CTI.