



1443 SPITFIRE PLACE | PORT COQUITLAM, BC | V3C 6L4 | CANADA

PRESS RELEASE

October 11, 2018

# Lake Louise Inn Is the First Hotel in the World to Install Sharc Energy Piranha System in Commitment to Energy, Waste and Water Consumption Reduction

**LAKE LOUISE, ALBERTA, Canada -- Sharc International Systems Inc. (CSE: SHRC) (FSE: IWIA) (OTCQB: INTWF) ("SHARC" or "the Company")** is pleased to announce that Lake Louise Inn (the "Inn"), managed by Atlific Hotels, is furthering its commitment to sustainability and maintaining the integrity of Alberta's resources by being the first hotel property in the world to employ a SHARC™ Energy System's Piranha T10 system.

The technology has been used for other domestic environmental initiatives, but this is the first time the waste water heat recovery system has been used to improve energy consumption in a hotel. Waste water is an inexhaustible energy source that is widely unused and has a high thermal potential.

The Piranha system's self-contained heat pump uses a proprietary direct expansion heat exchanger to extract thermal energy. In this application, it will collect hot water from the Lake Louise Inn's laundry machines. Rather than draining into a sewer as is the currently accepted waste water practice, the heat energy in this water will be recovered. The water will act as a source for the heat pump, which will then be used to heat incoming cold water for future loads, drastically reducing energy requirements.

"This wonderful opportunity to put environmental stewardship to work in a practical way aids our conservation efforts with meaningful results," said Gordon Johnson, Vice President Operations, Atlific Hotels. "The serious reduction in water and energy use and greenhouse gas emissions will be of benefit to everyone who appreciates the importance of preserving Lake Louise's natural resources, and certainly makes sense from a business perspective. It's a win-win for all."

"When we first discussed this technology with Atlific Hotels, they knew instinctively that it would be a game-changer" said Lynn Mueller, CEO, SHARC Energy Systems. "The management team at Lake Louise Inn embraced the idea and is seeing immediate benefit. They are pioneers in reclaiming hotel laundry waste water, and we hope many other hotels will follow suit."

As a result, the installation of the Piranha system will provide the following benefits to the Inn:

- Will reduce emissions by over 80 tonnes of CO<sub>2</sub> each year, taking the equivalent of 17 cars off the road
- Will reduce the laundry's energy use by 85%
- The savings from each 100 loads of laundry can provide energy for an additional 8 days

It is estimated that it will produce on average 17,000 L (4,500 gal) of hot water on a daily basis. As the Piranha runs on electricity, it will offset approximately 57,000 L (15,000 gal) of propane annually, significantly reducing the hotel's carbon footprint.

"This system represents an impressive intersection of innovation, conservation and cost savings and makes good sense. I can't think of a better place than in Banff National Park to implement this forward thinking, ecofriendly technology," said Nuwan Eparatchy, General Manager, Lake Louise Inn. "I applaud the SHARC team for its genuine commitment to creating a greener tomorrow for all of us."

The Piranha wastewater heat recovery system from SHARC Energy Systems Inc. is the first of its kind in the HVAC market and has redefined green building innovation.

Lake Louise Inn is one of Alberta's most treasured Rocky Mountain resorts. This four-season property nestled amongst the soaring pines of Banff National Park, a UNESCO World Heritage Site, offers spectacular mountain views amongst the ancient glaciers, deep valleys and meandering trails.

### **About Atlific Hotels**

Atlific Hotels is one of the leading hotel management companies in Canada operating over 55 hotels with offices in Montreal, Toronto and Vancouver. Atlific Hotels has over 60 years of experience managing well-known Canadian hotels, resorts, and extended stay properties. The company has built a reputation for best in business accounting reporting, exceptional sales and marketing programs and sound operational systems. Atlific Hotels' parent company, Ocean Properties Hotels Resorts & Affiliates operates over 70 hotels throughout the United States. Together they manage over 125 properties in North America with over 20,300 rooms, which include independent hotels and resorts as well as internationally recognized hotel brands such as Marriott, Hilton, Westin and Holiday Inn. For more information please visit [www.atlific.com](http://www.atlific.com).

### **About SHARC International Systems**

SHARC International Systems Inc. is a world leader in thermal heat recovery. SHARC™ technology systems recycle thermal energy from wastewater, generating one of the most energy efficient and economical systems for heating, cooling & hot water preheating for commercial, residential and industrial buildings. SHARC is publicly traded in Canada (CSE: SHRC), the United States (OTCQB: INTWF) and Germany (Frankfurt: IWIA).

Further information about the Company is available on our website at [www.sharcenergy.com](http://www.sharcenergy.com) or under our profile on SEDAR at [www.sedar.com](http://www.sedar.com).

## **ON BEHALF OF THE BOARD**

"Lynn Mueller"

Chairman and Chief Executive Officer

### **For further information, please contact:**

Investor Relations

Jeff Walker

The Howard Group

Phone: (888) 221-0915 or (403) 221-0915

Email: [jeff@howardgroupinc.com](mailto:jeff@howardgroupinc.com)

Jamie Hyland

SHARC International Systems Inc.

Telephone: (604) 442-2425

Email: [jamie.hyland@sharcenergy.com](mailto:jamie.hyland@sharcenergy.com)

Atlific Hotels

Naomi Strasser or Mindy Cummings

Aerial Communications Group – Atlific Hotels

Telephone: (416) 787-6577

Email: [naomi@aerialpr.com](mailto:naomi@aerialpr.com) / [mindy@aerialpr.com](mailto:mindy@aerialpr.com)

*Neither the Canadian Securities Exchange nor its Regulation Services Provider (as that term is defined in policies of the Canadian Securities Exchange) accepts responsibility for the adequacy or accuracy of this release.*

### **Forward-Looking Statements**

*Certain statements contained in this news release may constitute forward-looking information. Forward-looking information is often, but not always, identified by the use of words such as "anticipate", "plan", "estimate", "expect", "may", "will", "intend", "should", and similar expressions. Forward-looking information involves known and unknown risks, uncertainties and other factors that may cause actual results or events to differ materially from those anticipated in such forward-looking information. SHARC's actual results could differ materially from those anticipated in this forward-looking information as a result of regulatory decisions, competitive factors in the industries in which the Company operates, prevailing economic conditions, and other factors, many of which are beyond the control of the Company. SHARC believes that the expectations reflected in the forward-looking information are reasonable, but no assurance can be given that these expectations will prove to be correct and such forward-looking information should not be unduly relied upon. Any forward-looking information contained in this news release represents the Company's expectations as of the date hereof, and is subject to change after such date. The Company disclaims any intention or obligation to update or revise any forward-looking*

*information whether as a result of new information, future events or otherwise, except as required by applicable securities legislation.*

**###**