



# Press Release

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**FOR IMMEDIATE RELEASE**

## Systecon Inc. Receives Patent for CritiChill® - Modular Indirect Evaporative Cooling System

**West Chester, OH – April 2, 2018** - Systecon Inc., industry-leading innovator and manufacturer of modular utility solutions, has been issued a patent for the CritiChill® modular indirect evaporative cooling system.

Invented by Systecon's engineering team, CritiChill® is an indirect evaporative cooling system with a supplemental chiller that can be bypassed as weather conditions dictate. The supplemental chiller is shut down during conditions when the evaporative cooler can efficiently cool the building and is engaged for supplemental cooling when conditions are not conducive for the evaporative cooler to handle all cooling needs.

Prior to CritiChill® there were two cooling options – a water-cooled chiller plant which is extremely efficient or an air-cooled chiller plant which uses less water and chemical treatment. "We understand the importance of using water properly and wanted to combine the best of both systems – efficient cooling with minimal water usage," said Moses.

CritiChill® provides a complete cooling solution that is both highly efficient and requires minimal water usage (California Title 24 compliant without water use). With an adiabatic cooler, the system only uses 20 percent of the water normally required by a traditional cooling tower and without the harmful chemicals. Coupled with pre-cooling operation, the system provides a level of efficiency near that of a traditional water-cooled chiller.

CritiChill® can be an ideal solution for data centers or other buildings with overhead sensible cooling devices that have warm water delivery.

The patent (no. 9,915,453) includes any outdoor enclosed heat exchanger that transfers heat optionally from both the indoor chilled water loop and a condenser from a chiller, or from the indoor chilled water loop alone. Adiabatic coolers, evaporative coolers and dry coolers are included. This allows components to be custom selected to best fit specific project needs, which is true of all Systecon modular utility solutions.

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### **About Systecon Inc.**

Systecon Inc. is a leading manufacturer of custom modular utility solutions, including modular central plants, CritiChill® modular indirect evaporative cooling, custom modular pumping systems, central plant controls and standard pump packages. We work *with* our customers to provide the most efficient and advanced modular solution for their specific project needs - custom designed for optimization, factory assembled and performance tested, then delivered to the work site ready for installation. Our work spans the globe with markets across the U.S. and successful projects on five major continents. Customers include owners, consulting engineers and general contractors. For more information, visit [Systecon.com](http://Systecon.com).