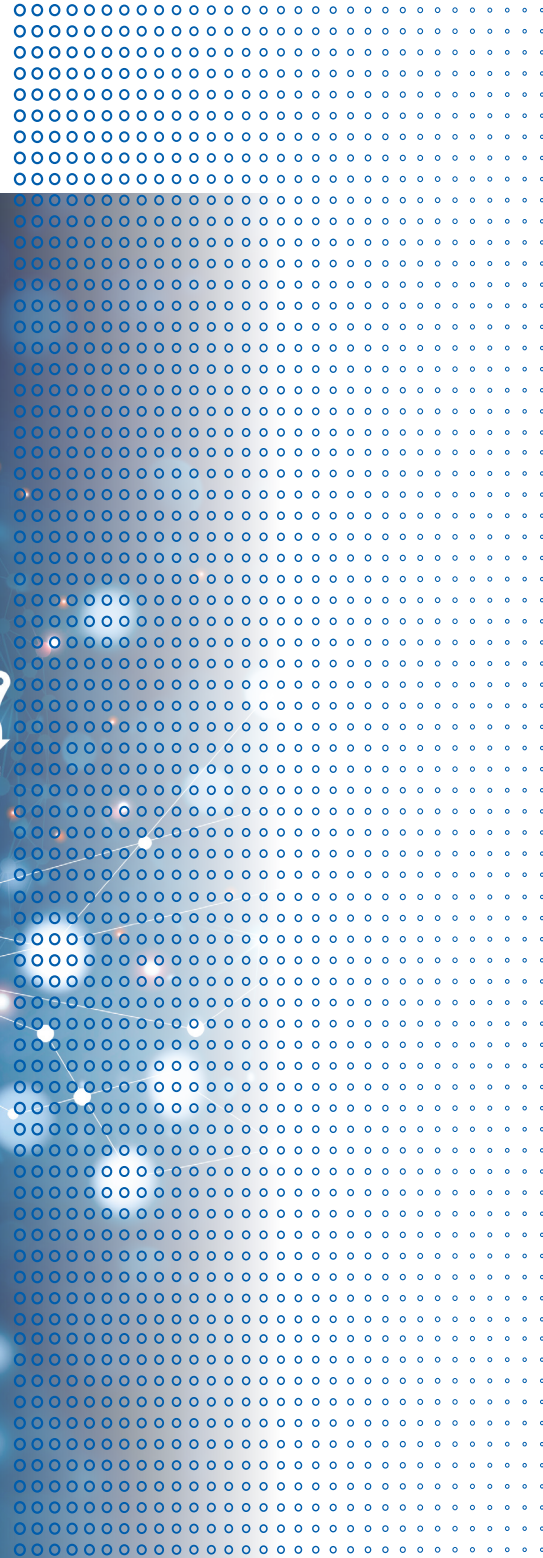


**maxi·
therm**™
beyond steam™

Innovative Steam Solutions by Maxi-Therm

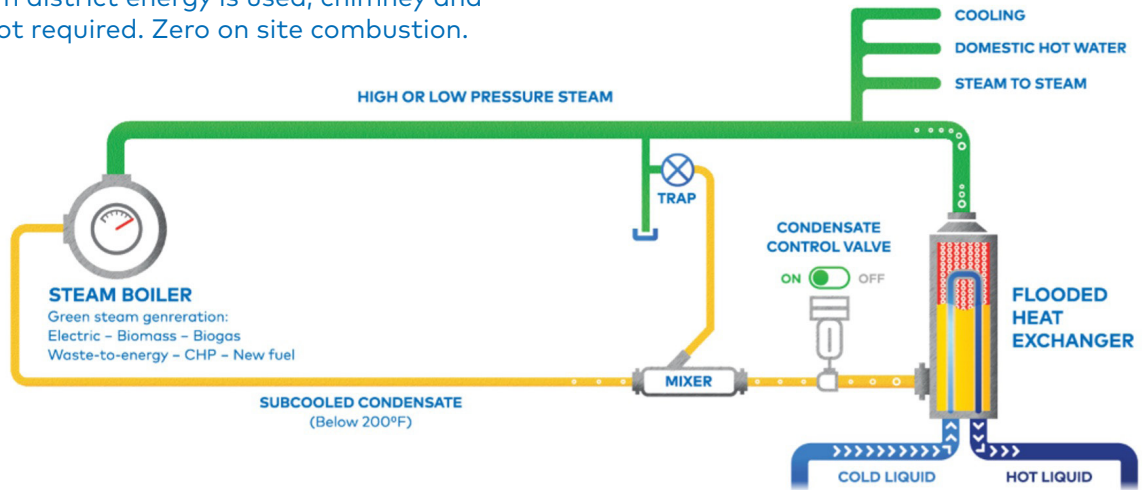
High Efficiency Closed Loop Steam System



Innovative Steam Solutions by Maxi-Therm

Maxi-Therm's mission is to advance the concept of Steamification by manufacturing cutting-edge steam heat transfer solutions and educating designers, contractors, district steam suppliers, and end-users about the benefits of using steam as an energy transport medium. We offer innovative steam solutions that use fewer components, reduce installation costs, require less maintenance, have a smaller footprint, and use less energy, while also lowering carbon emissions.

When steam district energy is used, chimney and vents are not required. Zero on site combustion.

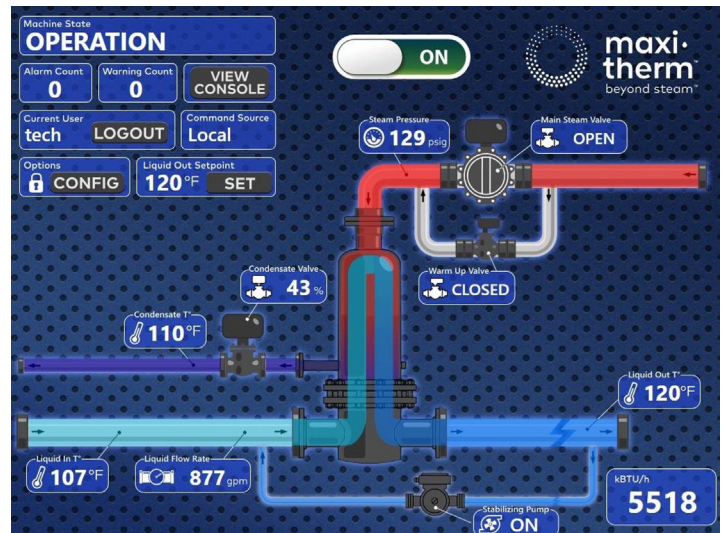


Using Maxi-Therm's vertical flooded heat exchanger design, less steam is needed to generate the same amount of hot water as with conventional systems, because we extract both latent and sensible heat from the steam. Our units always sub-cool condensate to 200°F or below (sometimes far below!), which eliminates flash steam losses in the system. Our technology requires up to 20% less steam and is ideal for district energy retrofit projects.

There are many more benefits to using Maxi-Therm vertical flooded heat exchangers, including eliminating condensate receivers, PRV stations & steam vents through the roof, and reducing air infiltration, which produces condensate up to 6 times less corrosive than conventional systems. Our unique control panel, MTIntelligent, makes operation of our systems virtually foolproof, while providing sophisticated monitoring and logging functionality needed for better reliability and for faster troubleshooting. All panels contain a gateway which allows Maxi-Therm to directly access the unit to provide technical support.

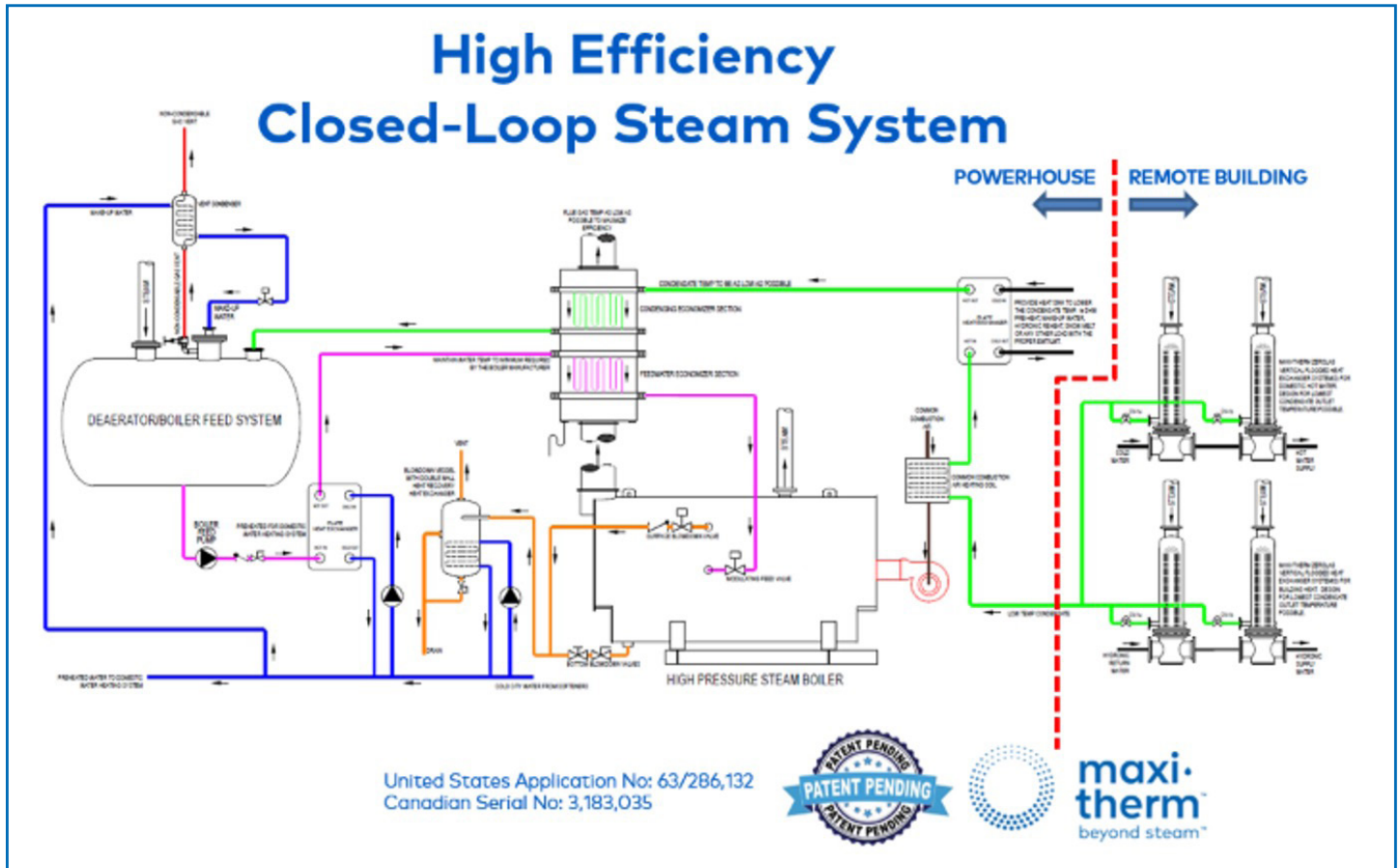
Since 2004, Maxi-Therm has provided thousands of units across North America. Prestigious schools such as Harvard, Duke, Towson,

Washington & Lee, prestigious hospitals such as John Hopkins in Baltimore, Swedish hospital in Seattle and Children Hospital in Philadelphia, prestigious building such as American Museum of Natural History in New York City, 2 Liberty Place in Philadelphia and McCormick place in Chicago, prestigious factories like Pepsi Beverages, Merck Pharmaceutical and Dupont Chemicals.



This image is from a system in operation and demonstrates low condensate temperature discharge for better efficiency.

Not only do Maxi-Therm units save costs in traditional applications, they play a critical role in what we consider to be the most advanced, most energy-efficient steam plant concept ever devised....



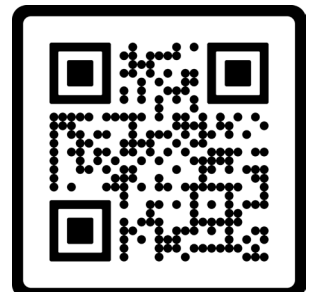
Recently, Maxi-Therm applied for their sixth patent (United States Application No: 63/286,132 and Canadian Serial No: 3,183,035) for a 95% steam generation system combined with a 100% steam & condensate closed loop distribution design. The key to this system lies in the ability of Maxi-Therm heat exchangers to produce cool condensate. In addition to eliminating flash steam losses, the cool condensate can be used within the boiler room to extract waste heat. Following guidelines recommended by the U.S. Department of Energy (energy.gov), we preheat combustion air feeding a high-efficiency natural gas burner, recover heat from steam

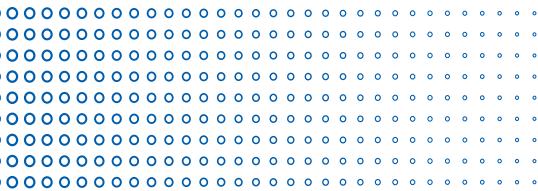
vents and blowdown, and utilize a two-stage condensing boiler stack economizer – cooled by low temperature condensate – to achieve an overall boiler efficiency of 95+%! All of this is accomplished using time-tested, existing, familiar equipment in the central plant.

We invite you to consider implementing our unique and reliable concept in your facility, and we welcome the opportunity to work with you and your engineering and contracting partners to determine the ROI you could expect to achieve using Maxi-Therm and steam compared to traditional steam or hot water systems.

To learn more about Maxi-Therm technologies, please scan the QR code below for links to literature and videos explaining our technology.

<https://maxi-therm.net/videos>





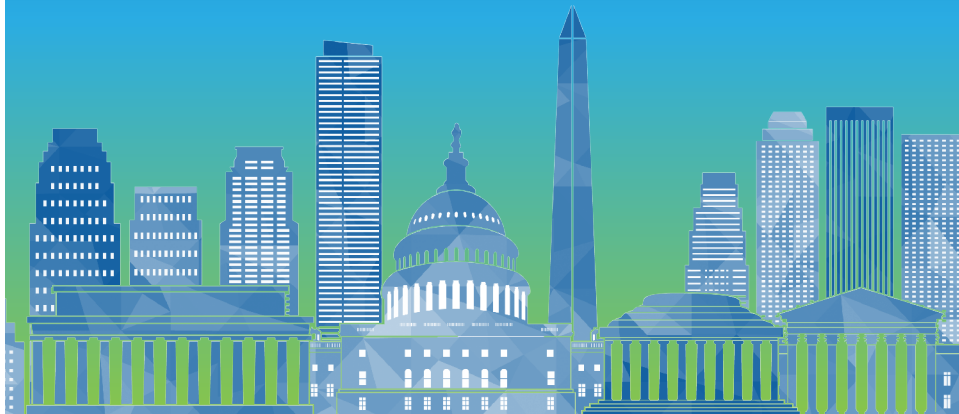
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 steamification is the alternative

**Maxi-Therm is a proud
 PLATINUM sponsor for the**

**2023 Decarbonization Conference
 for the Built Environment**

October 25-27, 2023

Renaissance Arlington Capital View, Washington D.C. Metro Area



The Decarbonization Conference for the Built Environment will be an information and idea exchange, between stakeholders in the built environment industry, concerning the timely and important topic of reducing carbon emissions from buildings.

The goal is to address the policies, design, construction, ownership, and operation of facilities targeted for reduced or neutral impact on the environment with respect to carbon footprint. The focus of the conference is to enhance the knowledge base in North America on decarbonization efforts for the built environment.

The conference is organized by ASHRAE, AIA, APPA, BOMA, and IFMA



Visit ashrae.org/2023decarbBE to learn more and see the most up to date information