

World Leader in Thermal Energy Storage and Ice Rink Solutions



CALMAC



CALMAC Manufacturing Corporation
Over 60 Years of
Innovative Cool Energy
Solutions



CALMAC...

CALMAC Manufacturing Corporation is a privately held company in the USA which specializes in Cool Energy Technologies. The company's patented products are represented by key partners in over 35 countries. CALMAC's core product **IceBank® Storage tanks**, lowers the environmental impact and costs of comfort cooling by utilizing efficient night-time energy to air-condition buildings during peak, day-time hours. IceBank® tanks are globally recognized for superior design, performance and reliability.

Calvin D. MacCracken founded CALMAC in 1947 in Englewood, New Jersey. Today, the company's Fair Lawn, New Jersey headquarters and manufacturing facility produces over 3,000 IceBank® Ice Storage tanks annually and is just minutes from New York City. CALMAC has joint ventures and licensees making its products in Brazil and Korea.



Calvin D. MacCracken, Founder and Inventor
Time Life Magazine 1947

COMMITMENT TO CUSTOMERS

Installation capacity sizes range from 30 ton-hours required by a McDonald's franchise in Geneva, Switzerland, to the 30,000 ton-hours needed for the JC Penney corporate headquarters in Plano, Texas, or the T&C Building in Kaohsiung, Taiwan, the 10th tallest building in the world.

Thousands of energy conscious customers like American Airlines, Bank of America, Credit Suisse, DuPont, Kohl's, IBM, JC Penney, Marriott Hotels, McDonald's, Morgan Stanley, Nordstrom, Siemens, Trane, Underwriters Laboratories, Wal-Mart and Wang have partnered with CALMAC along with many school districts, universities, medical centers and iconic ice rinks all over the world.



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IceBank® Storage tanks chosen to help cool the most environmentally friendly office building in the world- The Bank of America Tower in New York City



IceMat® IceRink Floor was used for the National Hockey League in a Championship outdoor game in Buffalo, NY. More than 73,000 people attended.

...Since 1947

60 YEARS OF INNOVATION

As a research-oriented manufacturing company, CALMAC has developed over 250 products, most on behalf of other companies or the United States government. Over the years, CALMAC's research has led to designs and products of significant importance for different industries and applications. In fact, many know the product, but are not familiar with the name.

Here are just a few of the hundreds of products developed by CALMAC:

Jet Heet® and Space-Pak®: The original high-velocity heating and air-conditioning system licensed to Dunham-Bush



K-Pad: The hospital heating pad sold by American Hospital Supply Corp

Roll-A-Grill: The hotdog cooker used all over the world

CALMAC developed **IceMat® Ice Rink floors**, a rollout refrigerated ice-skating surface, which is installed in over 700 ice-skating rinks, bobsled runs, and curling rinks. Its patented, energy-conserving design creates perfectly uniform temperature ice with a dramatic reduction in pumping power. The IceMat is used for indoor and outdoor rinks.

The patented **Alumazorb® Low Emissivity Ceiling**, suspended over the ice surface, reduces the energy consumption needed to refrigerate the ice.

LOOKING AHEAD

Changes in the energy industry and a growing interest in high performance buildings continue to contribute to rapid growth of the thermal-storage market and related products. The company's mission is to continue as the industry leader in innovation; to be environmentally conscious in all its activities; to provide high-quality products with unsurpassed value; and to remain relentless in its commitment to high standards of excellence in products and services for each and every CALMAC customer.



Ice storage helps Fossil Ridge High School in Fort Collins, Colorado achieve credits for LEED Certification. The school is winner of the 2008 ASHRAE Building Technology Award.



1155 Avenue of the Americas, a 41-story building in New York City, is cooled by twenty-eight IceBank® Storage tanks. The tanks have a capacity of 3200 ton-hours.





Company Name

CALMAC Manufacturing Corporation

Product Lines

IceBank® Thermal Energy Storage
IceMat I® and IceMat® II Ice Rinks
HeatMat®
Plate and Frame Heat Exchangers
Glycol Management System(GMS)

President & CEO

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Vice President of Engineering

Brian Silvetti, P.E.

Treasurer

Dorothy Sullivan

Corporate Secretary

Theresa Zambrano

Global Sales Directors

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(North and South America)
Donna Soracco-Jessie, Van Zon International
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