

Net zero NATURALLY

for ice rinks



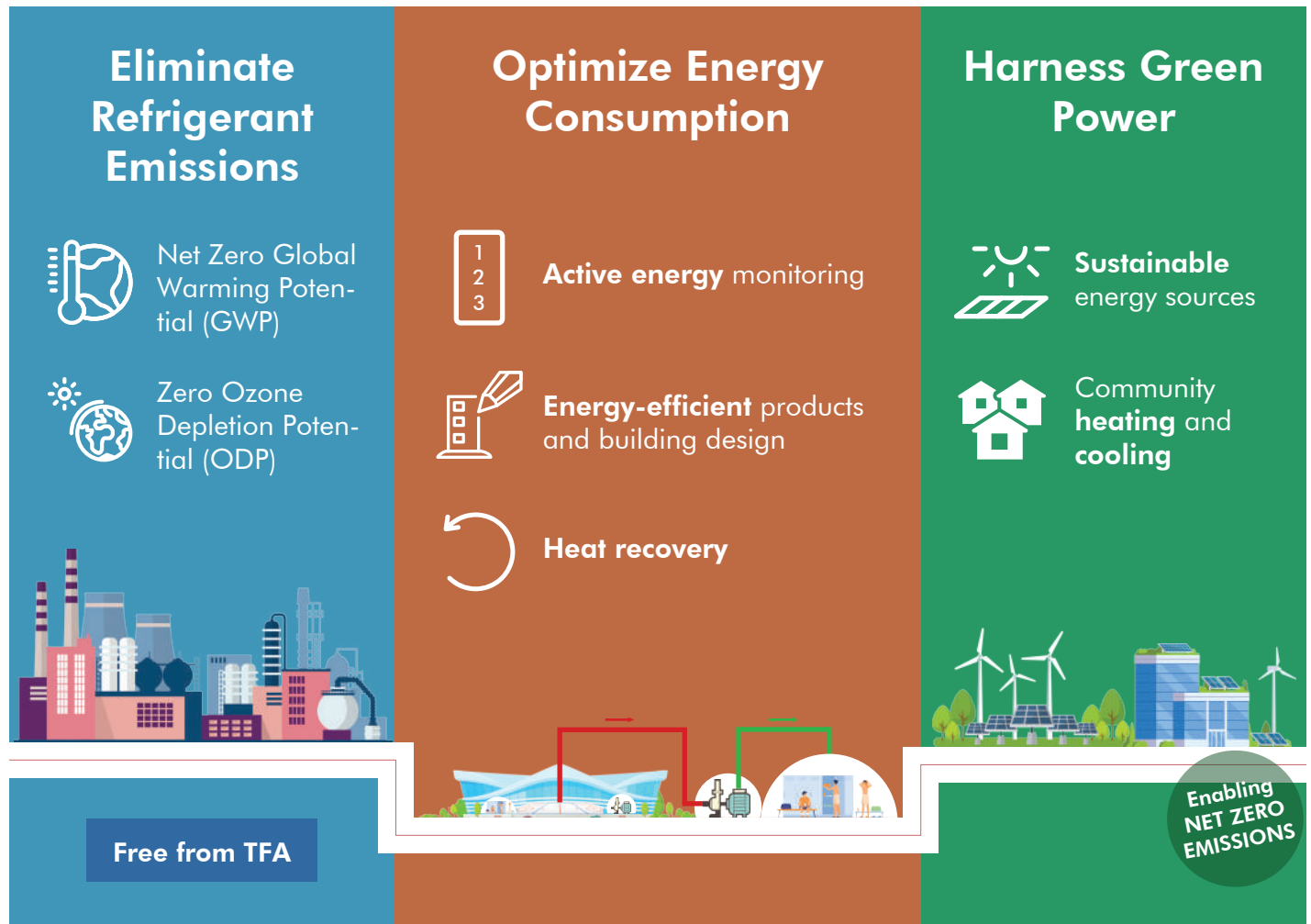
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CIMCO

As participants in the Paris Agreement, Canadian and American governments have a shared goal:

to help reduce greenhouse gas emissions (GHG) dramatically by 2030, and **reach net-zero emissions** by 2050 in order to limit global warming to 1.5 degrees or well below 2 degrees. As a result, businesses across all sectors are looking for ways to help hit these global net-zero targets.

For ice rinks in particular, there is more than one way to reduce emissions within your facility, but if saving the planet is the ultimate goal, reaching net zero sustainably is the only logical way. With that in mind, we've created **Net Zero Naturally**, a road map for helping you get there. It covers everything from choosing an ice rink refrigeration system with an ultra-low Global Warming Potential (GWP), to using energy-efficient technology and the best environmental practices to consume as little electricity, water and natural gas as possible.



A 2050 NET ZERO ICE RINK

A sustainable ice rink meets the needs of the community and the environment. Advancement in technology and connectivity has enabled CIMCO to have a deeper understanding of product function to improve and maximize performance and output. From our signature green technology that's cost-effective and built to last, to our innovative range of customizable and energy-efficient options, CIMCO provides you with a suite of tools and expertise you need to reach net-zero emissions. Here are four key areas that can make an ice rink sustainable:



NATURAL REFRIGERANTS

Reducing your facility's greenhouse gas emissions starts with choosing a natural refrigerant like CO₂ or Ammonia, with zero or ultra-low Global Warming Potential, and zero Ozone Depletion Potential. These refrigerants are also free of trifluoroacetic acid, a forever chemical that is harmful to humans and the environment, and that is linked to synthetic refrigerants.



HEAT RECOVERY

Nearly three-quarters of all the energy produced by humanity becomes waste heat, which happens to be a byproduct of every refrigeration system. Your facility can significantly reduce its greenhouse gas emissions by tapping into this renewable resource using sustainable solutions like heat pumps and desuperheaters.



ENERGY EFFICIENCY

Whether it's installing LED lighting, variable frequency drives or EC motor technology, there are plenty of tools and strategies to help reduce your facility's energy consumption. When you make sure your facility is energy efficient, it reduces your environmental footprint, and improves your bottom line by cutting your energy costs.



WATER CONSERVATION

Water-saving strategies and product solutions like adiabatic or air-cooled condensers conserve a precious natural resource, but they also save money and reduce the amount of energy used to treat and pump water.

WHAT SUSTAINABILITY MEANS TO US

It's impossible to separate community development from the environment. That's why we believe they need to work in harmony. Our goal is to help our customers on their pathway to net zero by finding the most cost-effective and efficient solutions to make that happen. Whether it's a new build, or you're making retrofits, repairs and upgrades to an existing building, there are many federal, provincial and local grants and incentives you can take advantage of to fund your net-zero projects. With more than a century of experience in sustainable refrigeration, we've developed custom strategies for facilities big and small. Let us help you with yours.

GETTING TO NET ZERO, NATURALLY: A BLUEPRINT

Getting your facility to net-zero emissions won't happen overnight. But by planning ahead, and breaking down the goal into smaller tasks—like we've done in the four steps outlined below—it's entirely achievable.



01

THE BIG PICTURE

Understanding where and how you use energy in your building is key to developing a successful plan. Doing a net-zero audit not only helps identify the changes you need to make, but it also helps you set benchmarks to measure the impact of those changes.



02

EASY WINS

This phase is all about actionable items you can implement immediately, from simple modifications like switching to LED lighting and making automation upgrades, to higher-capital projects such as installing a new refrigeration system that uses heat recovery and runs on an ultra-low GWP natural refrigerant.



03

DEEP WORK

Just like the back half of a marathon is tougher than the first half, moving from 50 to 80 percent of your net zero target can be more challenging. That's why this step requires creativity and planning. The paybacks may not be as flashy, and the work may be complicated—this includes installing heat reclaim, building envelope changes, and other projects that require a detailed approach—but you're that much closer to the finish line.



04

THE LONG GAME

Full building electrification, which requires shifting entirely from fossil fuels to electricity or total on-site power generation from renewable sources like wind and solar, won't deliver short-term gains, but it makes environmental sense.

LET'S CONNECT.



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