



2019



INDUSTRIAL MACHINE INC

**ZAMBONI®**



**ZAMBONI**  
**CONNECT**





1980 something....

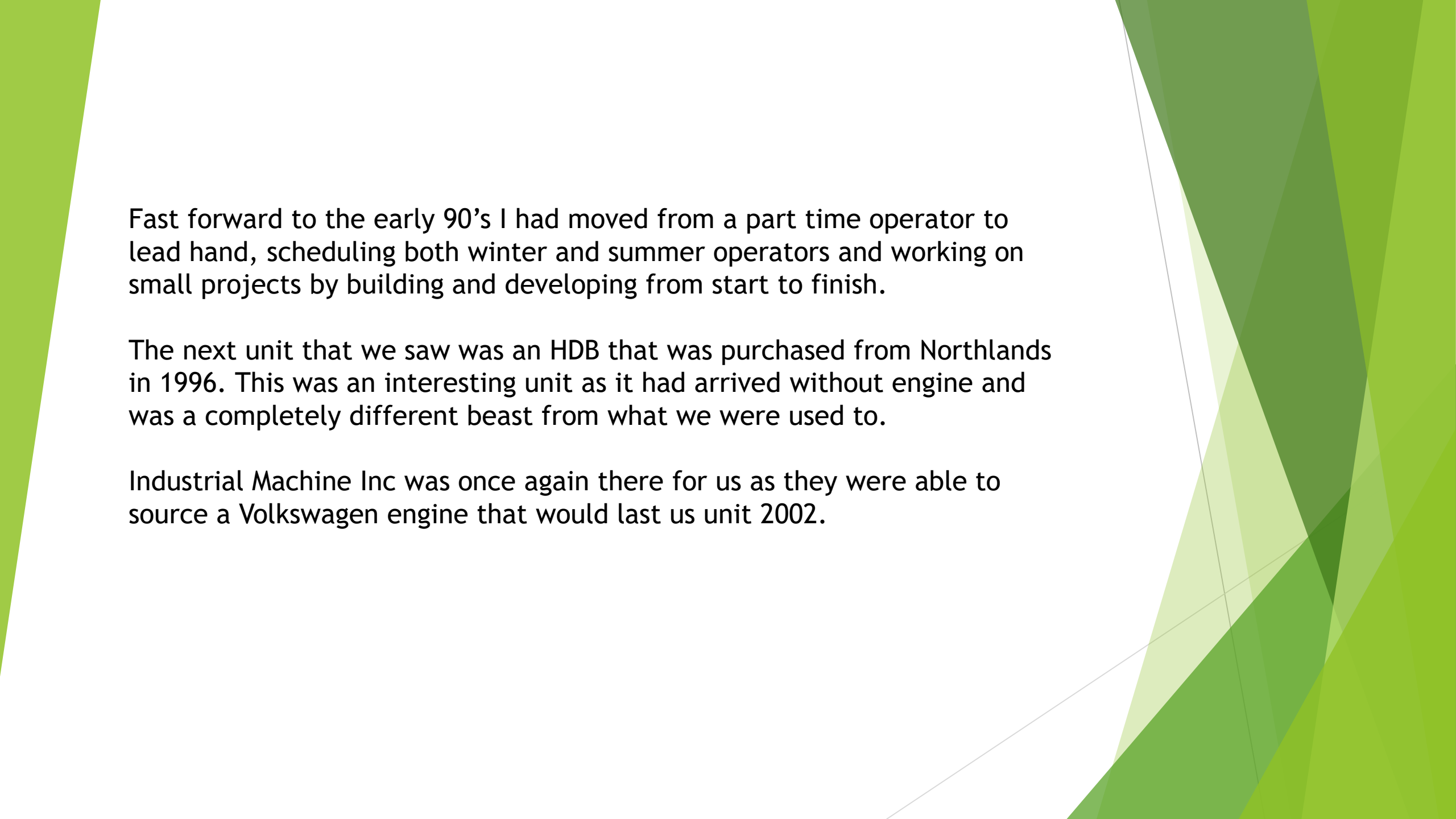
Began my career as a rink rat in a small town arena while still in High School.

The machine that I learned on was the old Ford tractor with a TMA Modle 200 tractor mount.

This unit was first purchased from Industrial Machine Inc back in 1977 and was used up until 1995





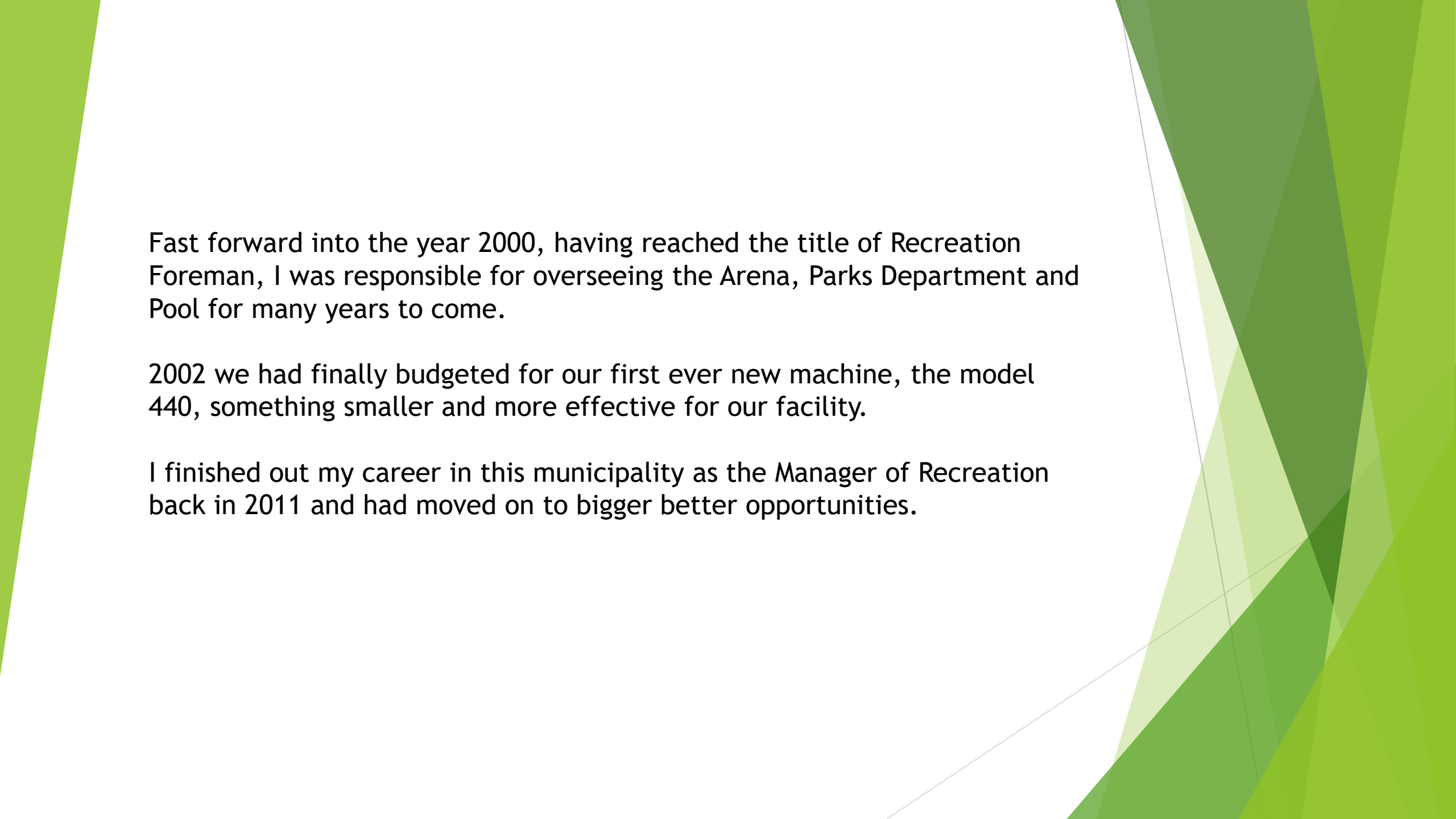
The background of the slide features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green, creating a modern and dynamic visual effect.

Fast forward to the early 90's I had moved from a part time operator to lead hand, scheduling both winter and summer operators and working on small projects by building and developing from start to finish.

The next unit that we saw was an HDB that was purchased from Northlands in 1996. This was an interesting unit as it had arrived without engine and was a completely different beast from what we were used to.

Industrial Machine Inc was once again there for us as they were able to source a Volkswagen engine that would last us until 2002.





Fast forward into the year 2000, having reached the title of Recreation Foreman, I was responsible for overseeing the Arena, Parks Department and Pool for many years to come.

2002 we had finally budgeted for our first ever new machine, the model 440, something smaller and more effective for our facility.

I finished out my career in this municipality as the Manager of Recreation back in 2011 and had moved on to bigger better opportunities.





Having spent 30 years in recreation it had definitely had challenges we all face daily and ones that I will always look back upon as the greatest time of my career.

Having gone full circle, I am now an elected official for the Municipality that I once served and still live in to this day and I am proud to know that we are making great strides in building a community where families want to live.





## 2017 Municipal Election Results

I am now the Account Manager for Industrial Machine Inc. What this means is that I am the head of Zamboni sales for Alberta, one that I hold with great pride as I have lived the life and know the equipment well.

I am not just a salesman walking into your facility pushing sales on the latest and greatest gadgets but one that speaks your language and knows the added value of the products that Industrial Machine Inc carries.

ZAMBONI CONNECT





GET SMART

KNOW YOUR MACHINE

**ZAMBONI®**  
**CONNECT™**

## ZAMBONI CONNECT™

Harness the power of intelligence onboard your machine. Use predictive maintenance to prevent downtime and to extend the life of your resurfacer. Diagnostics and historical data from your fuel- powered machine's engine or your electric-powered machine's battery, motors and controls give your team the insight it needs to maintain a busy rink schedule. The ice business is notoriously difficult with high costs related to equipment maintenance and utilities being an ever-present challenge. The ability to monitor energy and water consumption and other variables during resurfacing provides a new vantage point to save valuable resources and improve your bottom line.

Designed to accommodate single machine operations as well as multi-machine fleets, Zamboni Connect™ is the toolbox filled with useful metrics to monitor and enhance performance. Our digital Resource Center is filled with the information your team needs to safely and efficiently perform the task at hand.

Operators of fuel-powered machines can evaluate consumption of fuel and ice-making water in addition to viewing RPM, engine coolant temperature and ground speed data. Electric resurfacer users can monitor electric consumption, battery charge, battery temperature, charge duration, ice-making water consumption and ground speed data. The Zamboni Connect™ dashboard for all machine models will record and display all diagnostic trouble codes, and reference their status. All suggested and performed maintenance activities are recorded and displayed in the maintenance log, which can be downloaded and searched for details



## **NOT JUST PREVENTATIVE: PREDICTIVE MAINTENANCE**

Take your maintenance program to the next level. Plan service and routine maintenance on your terms. The ability to monitor critical performance metrics allows you to identify trends in energy consumption, battery health and more. Diagnostic Code? Zamboni Connect has the resources you need to make an informed decision.



## CONNECT YOUR TEAM

As the industry leader in ice resurfacing, we have identified a broader need for arenas to have visibility into the operation, maintenance and performance of their machines. Zamboni Connect allows you to give your ice maintenance team the information they need to efficiently use the equipment you have. As unique users, your staff is granted access to important digital materials including your machine- specific maintenance log; suggested preventative maintenance calendar and notifications; service manuals; operational video presentations; diagnostic codes and troubleshooting tips. The dashboard connects your team's communication, providing a platform for documentation and consistency between machine operators.



Your facility's personalized dashboard is accessible from any screen. At any hour of the day. Customized settings for notifications allow you the choice of team or individual alerts for potential show-stopping issues. Not on site? You're still in the loop. Login to the web-based platform from any computer, in any location and you have instant access to remotely oversee the operation. Your cloud-based data is also accessible via the Zamboni Connect mobile app, available for iOS and Android devices.

Zamboni Connect™ gives you insight into resource management and decision-making based on actual machine and operator performance. Monitor and evaluate detailed results of your fuel/electric/water consumption for the opportunity to conserve and save money. Optimize the performance and reliability of your equipment with detailed routine and scheduled maintenance items in advance of inconvenient or unplanned service interruptions. Give your team the platform to communicate, document, and reference important information about the ice maintenance process. The Internet of Things is coming to the ice industry and your arena. Once again, Zamboni is leading the way.



<https://www.zamboniconnectdemo.com/login>

A black Zamboni Model 450 electric ice resurfacer is shown from a rear three-quarter view. The machine is positioned on a dark surface, and its rear section is slightly elevated. The background is dark with a teal-colored light effect emanating from behind the machine. The text "GOODBYE FUEL WORLD..." is printed in large, white, sans-serif capital letters across the upper portion of the machine's body.

GOODBYE  
FUEL WORLD...

INTRODUCING

MODEL  
**450**

ELECTRIC





## INDUSTRIAL STRENGTH ELECTRIC POWER

MODEL  
**450**



Nearly seventy years ago, in 1949 Zamboni introduced the world's first ice resurfacing machine. The first electric powered Zamboni ice resurfacers made their debut at the Squaw Valley Winter Olympic Games in February of 1960. As battery technology evolved, the 500 Series included electric powered production machines, setting the standard for electric resurfacing equipment by demonstrating the quality and reliability of our products.

The Model 450 provides an emission-free electric powered machine capable of handling the formidable challenges of ice maintenance. Enhancing our industry-proven powertrain with a lithium-ion powered AC motor and controls provides a low maintenance option for your high maintenance surface.



The high energy density of lithium-ion batteries provides the ability to quickly charge between resurfacings, maintaining power and eliminating the need for lengthy overnight recharging periods. Charge time is generally equivalent to work time. Recharge for about the same amount of time and you're back on the ice. With the standard or optional extended capacity battery package the 450 can support a variety of arena schedules. The battery package is smaller and lighter weight. Zero-maintenance lithium-ion batteries are sealed and do not require watering. In addition to their improved resiliency and longer cycle life, lithium-ion batteries do not release gasses during the recharging process and are emission-free.

The Model 450 combines decades of legendary electric performance and our industry-proven powertrain with lithium-ion powered AC motor and controls, providing a low maintenance option for your high maintenance surface. On-board diagnostics provide management of machine functions and status updates.

Designed for the tough demands of an ice arena. Our machines are built by hand. One at a time. By skilled craftsmen dedicated to building the highest quality products in an industry known to put equipment to the test.

Robust welded steel tubing chassis contributes to the sound construction of the machine. The ergonomically designed operator's compartment has well-placed controls. Unique to the 400 Series is foot pedal directional control of the machine.

The Model 450 provides an emission-free electric powered machine capable of handling the formidable challenges of ice maintenance.





3 phase  
600 volt



## BATTERY AND CHARGER

High density lithium-ion batteries quickly charge between resurfacing, maintaining power and eliminating the need for overnight recharging.

## ELECTRONIC CONTROLS

Dependable Sevcon® Gen4 AC controls. On-dash diagnostics provide real-time management of machine functions and status updates.

## DRIVETRAIN

Four-wheel drive. Rugged Dana Spicer® axles combine with a 64 hp PMAC pump motor, providing the most reliable drive train in the industry.

## TRANSMISSION

Continuously variable hydrostatic pump and motor are axial-piston type, providing superior on-ice power with maximum drawbar pull. Full hydrodynamic braking.

## CONSTRUCTION

Robust hand-welded steel tubing chassis. Premium primer/paint and rust-free poly ice making water tank for corrosion resistance in the harsh environment it will call home.





Be sure to visit us at our booth as IMI will be showcasing a model 526 with features such as :

- Level Ice
- Fast Ice
- Auger Wash
- Connect

Also, for the first time in Alberta, IMI will have a Lithium Ion Model 450 on display for everyone to see first hand what the Lithium Ion batteries will look like.

See you at the Show!!

THE END!

Be sure to click the link below and get your Zamboni registered. You will have access to safety bulletins as well as documentation relating to your machine.



<https://zamboni.com/register-as-a-zamboni-product-owner/>