

### **About Us**

Originated as Bempro 40 years ago

Started BMP Metals 40 years ago

Acquired CableTalk Systems and ClimateWorx International over the years

We are Women-led, with a diverse workforce and are employee-centric with many employees having over a decade of service

### **Our ESG Pillars**

### **Environmental**

Climate Action is the right thing to do for our environment, our stakeholders, and it will improve our competitiveness.

### Social

Includes human rights, diversity, health and safety and security.

### Governance

The policies and efforts that involve decision-making, cyber security and corporate cultures, such as transparency, accountability.

## ABOUT



## Mun Our Zero-Carbon Journey

### **Our Journey Begins**

Baseline year, where we calculated scope 1 and scope 2 emissions.

2021

### **Created our Team**

Formally created our Carbon Crusaders team supported by the Leadership team at Bempro.

### **Action**

Design work for our paint line energy recovery tunnel ambition actions.

BEMPRO GLOBAL GROUP INC.

2023



### **Research and Work**

Began research and work on paint line efficiencies and carbon reduction.

2022

### **Evaluation**

Evaluated our Analysis/Ambitions and began our Actions.

### **Actions + Networking**

Continued our Actions and networking with leaders in energy and carbon reduction.







## Our Zero-Carbon Journey

### **Continuous Improvement & Energy Efficiency**

- S As product manufacturers, Continuous Improvement and Energy Efficiency is in our DNA.
- We are committed to the reduction of energy consumption of our products, for our customers and for our production facilities.
- When we reduce our product's consumption, we reduce Scope 2 emissions for our customer. When we reduce our production Scope 1 and 2 emissions, we reduce Scope 3 emissions as well for our customers.
- \$\sigma\$ 31% of our HVAC Products currently active in the field are Free-Cooling Products, that help customers achieve higher energy efficiencies.



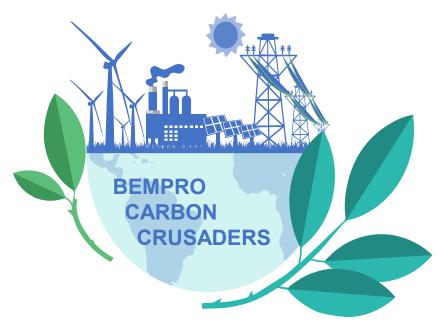




## Our Zero-Carbon Journey

### **Forming Our Team**

We formed a cross-functional team. We call ourselves the **Carbon Crusaders**. We kept our team small to begin with in order to focus our efforts. Meet our Team:





### From Left to Right:

Jeffery Estrela (IT)
Bobby Bedard (Equipment & Technical Support)
Lori Holjevac (Finance and Co-Chair)
Frank Lembo (Sales Engineering and Co-Chair)
Gord Nicholls (Facilities & Technical Support)
Neville Kotwal (Marketing)





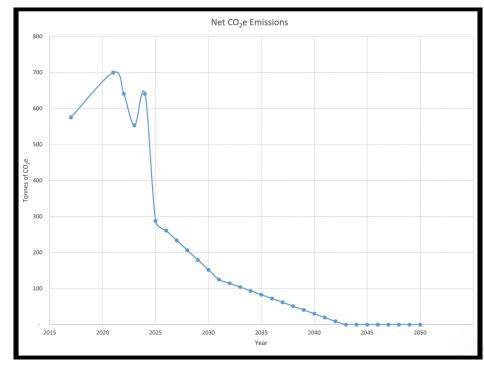


## Um Our Zero-Carbon Journey

### **Refining our Goals**

Some We refined our ambition list to measure KPIs yearly for emissions. These KPIs include timelines, budgets, sources of funding and Carbon Footprint Reduction Potential (kg) CO<sub>2</sub>e. This KPI data is as below:

	Scope 1+2 CO <sub>2</sub> e
FY2018 (BASE YEAR)	576
FY2022	700
FY2023	641
FY2024	553
FY2025	640



We ended up with a long list and decided to tackle the low hanging fruit. We review our ambition list quarterly.







## GHG Emission 50% Reduction for 2025 and Net Zero by 2050

# 288 Tonnes

Reduction of  $CO_2$ e emissions **by 50%** based on Base Year (2018) of emissions

We have set a target of achieving **Net-Zero Carbon Emissions by 2050**, striving to leave no carbon footprint behind

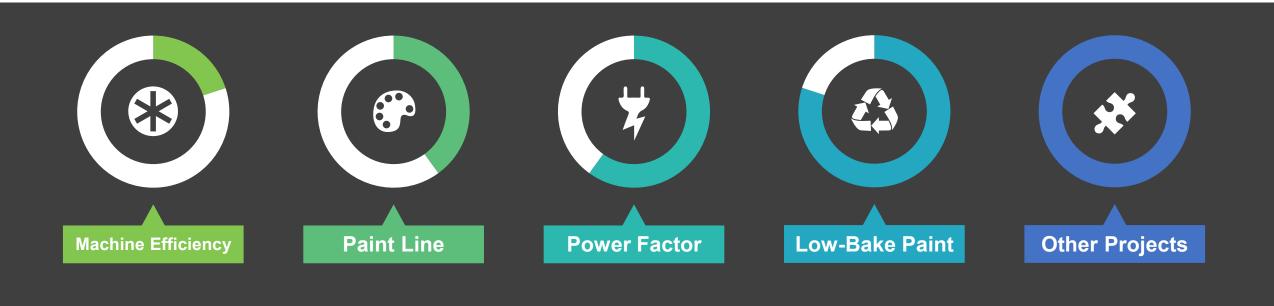








### OUR AMBITIONS







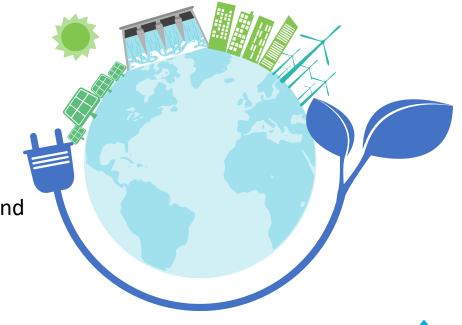
## Decarbonization Actions

### **Machine Efficiency**

Sempro has been engaged in embracing the technology of machines deployed in our business which are always more energy efficient than the ones they replace, resulting in an energy consumption reduction.

### **Paint Line Emission Reductions**

- Our paint line consumes 27 Million BTUs per shift and exhausts all of it and burns more gas than what it takes to heat the building.
- Solution
  Our strategy is to recover energy as much as necessary to offset burning fossil fuels for heating make up air and the building.
- Sessentially, we have so much heat generated from the paint line; we are planning on using it to heat our other building.





## Decarbonization Actions

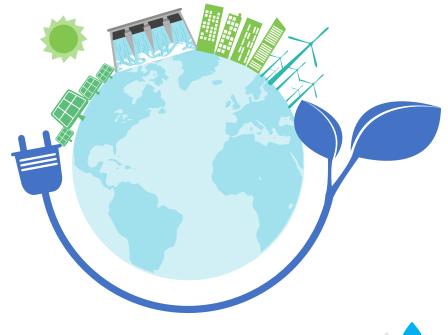
### **Lower Power Factor**

- Solution
  Our power factor is low, where the amount of energy we use is 70% of what comes into the building.
- We are looking to increase our power factor above 90% by conditioning the power. This will save us from penalties on our bill and reduce our kilowatt hours.

### **Low-Bake Paint Implementation**

- We are exploring the idea of using low-bake paint on our product lines which would mean reducing the baking temperature for 27% of the product we paint.
- Sometimes
  This would help reduce our carbon emissions.







## Decarbonization Actions

### **Other Projects**

In addition to these key projects, we also plan to do the following:

- We are looking at monitoring and controls of our systems and consumption.
- We are looking at installing doors for our paint oven to reduce heat loss to plant.
- We plan to upgrade the lighting in our office spaces and the plant with energy-efficient LED fixtures, to reduce energy consumption and heat. We also plan to introduce advanced smart features like motion sensing and timers for enhanced efficiency.
- We want to do Flu gas energy recovery and use it on our second production facility next door.
- We plan to source renewable electricity.











## **Our Ambitions**

### **Looking for Employee Involvement**

- Service Everybody's participation is critical, and Bempro aims to do this, with you!
- Have ideas or want to contribute? Reach out to anybody on the Carbon Crusaders team today!

### Improving our Efficiencies

- Mhile looking at reducing heat at our paint line we wanted to tie in heat level with production efficiencies.
- It took some research to find the data that would support our calculations in how lower heat increases productivity and improves our efficiency, which in turn reduces our carbon output per sales dollar.

Base Year 2018

50% Reduction by 2025

Net Zero 2050











## Our Ambitions

### **Ensuring Ambitions are Implemented**

- We are in two buildings and are challenged with respect to heating and cooling. It is not easy to reduce our energy requirements, so we must be innovative and use the skills available within our team.
- We meet biweekly to ensure our ambitions are implemented and to stay focused, and that means we are dedicating resources for our efforts.













