



OUR
DECARBONIZATION JOURNEY
BEMPRO GLOBAL GROUP INC.



BEMPRO
GLOBAL GROUP INC.

ABOUT US

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.

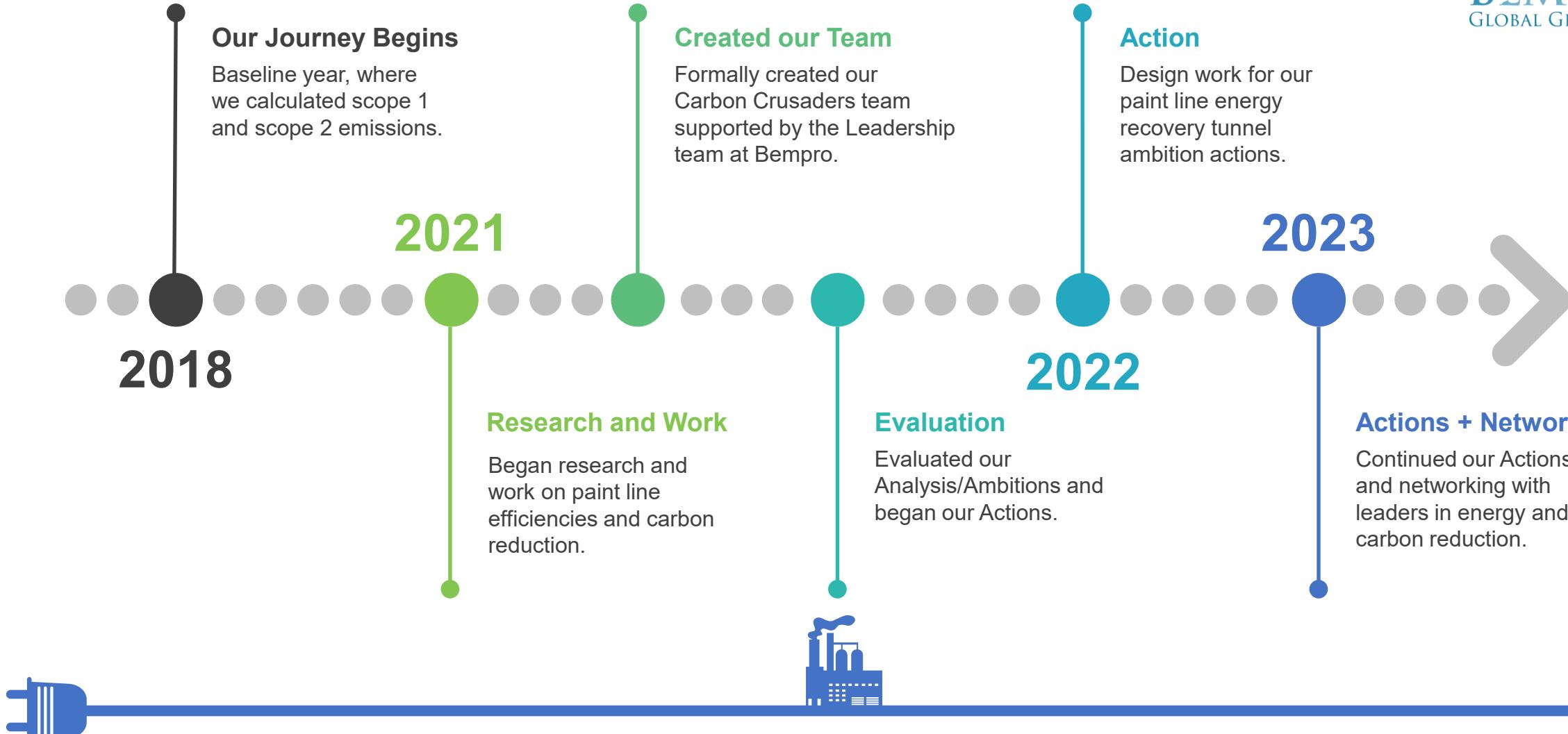
Governance

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



Our Zero-Carbon Journey

BEMPRO
GLOBAL GROUP INC.





Our Zero-Carbon Journey

Continuous Improvement & Energy Efficiency

- 🌀 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.
- 🌀 31% of our HVAC Products currently active in the field are Free-Cooling Products, that help customers achieve higher energy efficiencies.

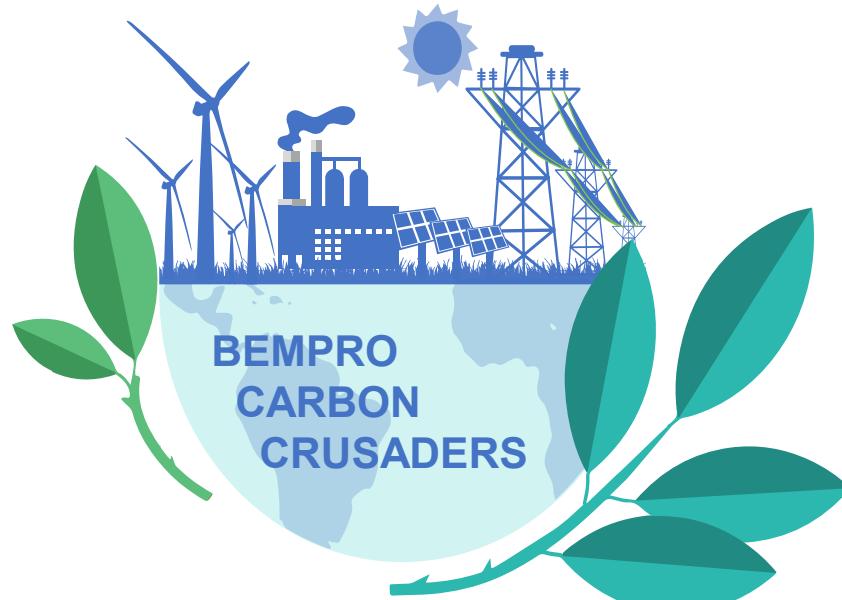




Our Zero-Carbon Journey

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)



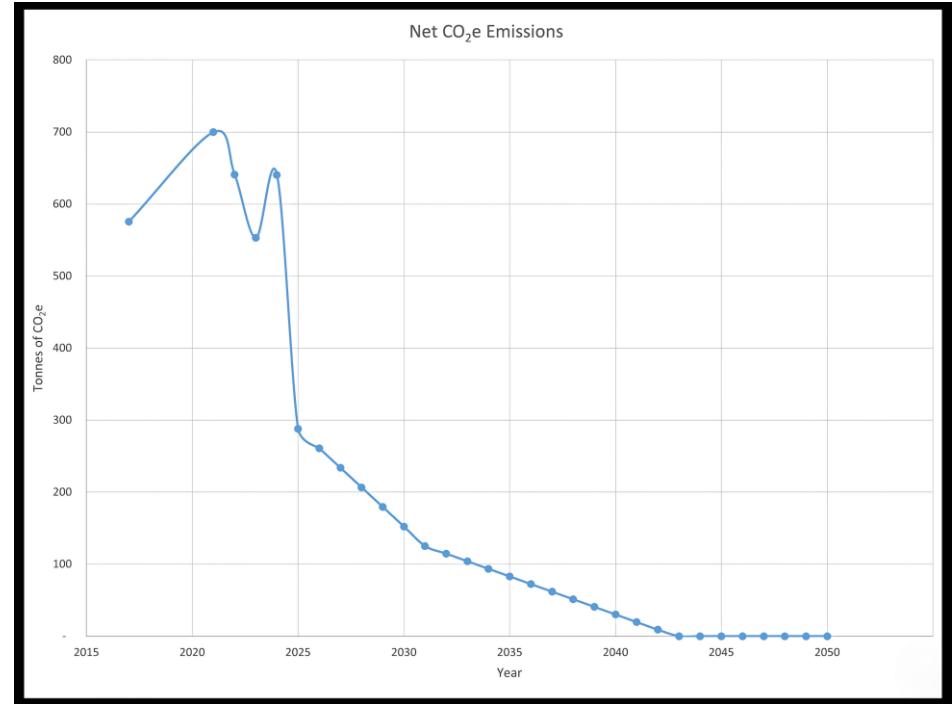


Our Zero-Carbon Journey

Refining our Goals

- >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) CO₂e. This KPI data is as below:

Scope 1+2 CO ₂ e (TONNES)	
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.





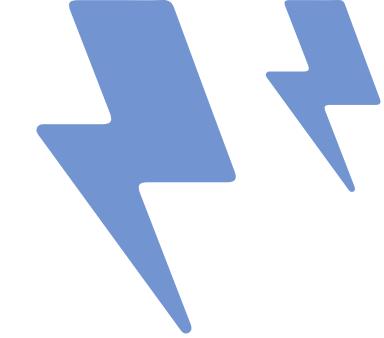
GHG Emission 50% Reduction for 2025 and Net Zero by 2050

288
Tonnes

Reduction of CO₂e 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





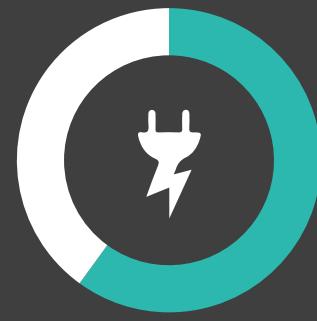
OUR AMBITIONS



Machine Efficiency



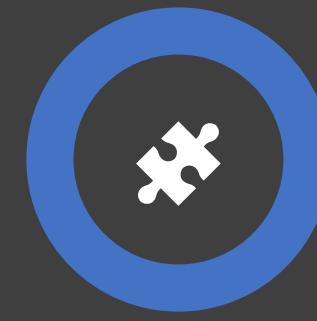
Paint Line



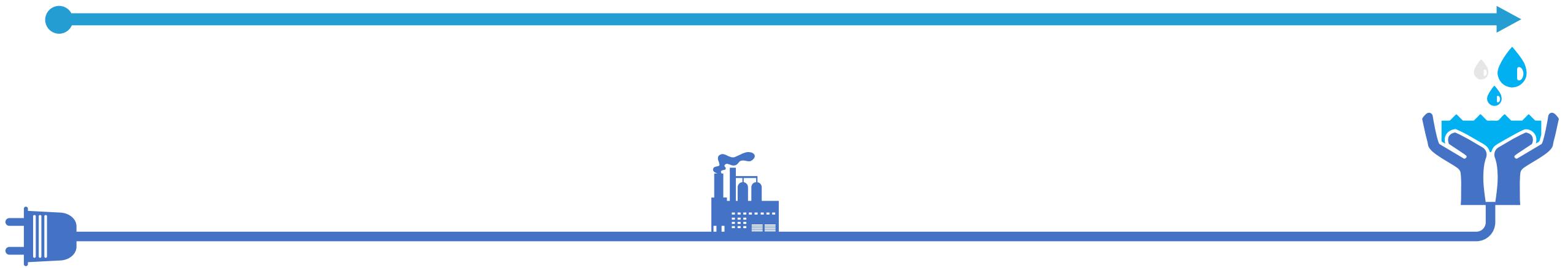
Power Factor



Low-Bake Paint



Other Projects





Decarbonization Actions

Machine Efficiency

- 🌀 Bempro 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.
- 🌀 Our strategy is to recover energy as much as necessary to offset burning fossil fuels for heating make up air and the building.
- 🌀 Essentially, 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

- 🌀 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.
- 🌀 This would help reduce our carbon emissions.



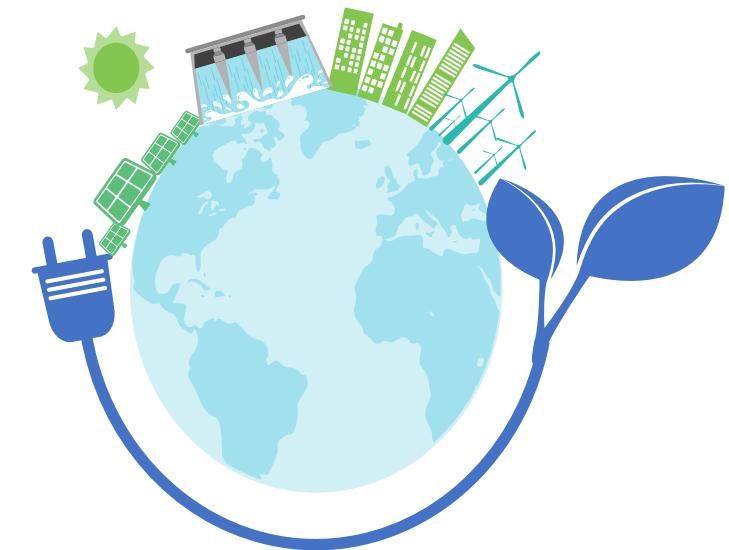


Decarbonization Actions

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

- 🌀 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

- 🌀 While 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.





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.





Thank You

