

### TIRE POLLUTION IS ENORMOUS + GROWING PROBLEM

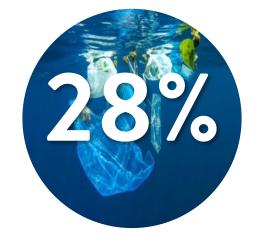
Tires are made from carbon-intensive fossil fuels, and are a major source of  $CO_2$  emissions, particulate-matter (PM) air pollution in our cities, microplastic pollution in our oceans, and are hugely wasteful at their end-of-life.



TIRES CAUSE
AIR POLLUTION

TAILPIPE PM LIMITS

UNECE / DEFRA



TIRES GENERATE
PLASTIC POLLUTION

28% OF ALL OCEAN
PRIMARY MICROPLASTICS

<u>IUCN</u>



TIRES ARE CARBON
INTENSIVE + WASTEFUL

2 BILLION MADE + WASTED EACH YEAR





### THE TIRE INDUSTRY MODEL DRIVES THE PROBLEM

More than 50% of all tires are produced by the Top-5 players, while tire distribution remains highly fragmented with multiple intermediaries – a supply chain that incentivizes high volumes of low-quality, highly polluting tires.











CONSOLIDATED PRODUCTION

HIGHLY CONCENTRATED
TOP-5 = +50% MARKET



COMPLEX DISTRIBUTION

HIGHLY FRAGMENTED
INDEPENDENT PLAYERS



HIGH VOLUMES
= HIGH POLLUTION

LARGE VOLUMES OF LOW-QUALITY TIRES





## **EV TIRES POLLUTE MORE**

"UP TO 20% FASTER"

MICHELIN

"UP TO 50% FASTER"

GOOD YEAR





WHAT IS IT MADE OF?

WHERE DOES IT GO?

**HOW LONG DOES IT STAY?** 

WHAT HARM DOES IT DO?





### **BETTER EV TIRES**

# **DIRECT TO CUSTOMERS**

## **DRIVEN BY SUSTAINABILITY\***

• ONLY CERTIFIED B-CORPORATION IN THE GLOBAL TIRE INDUSTRY Certified

### BETTER TIRES = MORE EV RANGE + LESS POLLUTION

EVs generate more tire pollution (20-50%) due to their greater weight and torque – so the ideal EV tire needs to address its environmental and health impact, while delivering EV performance and cost benefits to customers.



MORE EV RANGE = 10-20% LESS KWH

TO INCREASE EV-RANGE + SAVE ENERGY COSTS



LESS POLLUTION = 30-50% LESS PM

TO IMPROVE DURABILITY
+ REDUCE TIRE POLLUTION



NET-ZERO TIRES
= CARBON NEUTRAL

TO REDUCE CO2 EMISSIONS
FROM MFG + END OF LIFE Certified



### **REDUCING TIRE POLLUTION + TOXICITY**

ENSO is focused on reducing the enormous volume of tire PM pollution and deploying novel technologies to first reduce and then ultimately remove toxic materials from tire formulations, including 6PPD and Zinc Oxide.



TIRE PARTICULATE MATTER POLLUTION

MAJOR SOURCE OF AIR + MICRO-PLASTIC POLLUTION



6PPD QUINONE

TOXIC TO COHO SALMON
+ WIDER ENVIRONMENT



ZINC OXIDE (ZNO)

TOXIC TO MICROSCOPIC + AQUATIC ORGANISMS



### DIRECT TO CUSTOMERS + TIRES AS A SERVICE

ENSO's Direct-to-Customer (D2C) Tires-as-a-Service (TAAS) model captures higher margins per EV tire, offering superior EV performance and low particulate matter (PM) emissions at a competitive price per mile.





SUPERIOR EV PERFORMANCE + COMPETITIVE PRICING



PAY-PER-MILE TIRES AS A SERVICE

HIGHER MARGINS + ZERO UPFRONT COST



HIGH MILEAGE = LOW PM POLLUTION

EFFICIENT, DURABLE + LOW-EMISSION TIRES



#### **COMMERCIAL ROLL-OUT**

ENSO works with DPD and Royal Mail in London FreightLab, as well as with LEVC and ZETI on electric taxis, to deploy its tires at scale, ahead of its wider commercial roll-out targeting large electric vans in UK + USA in 2023.



LONDON FREIGHTLAB 2020-2022







ELECTRIC TAXIS
2022-2023



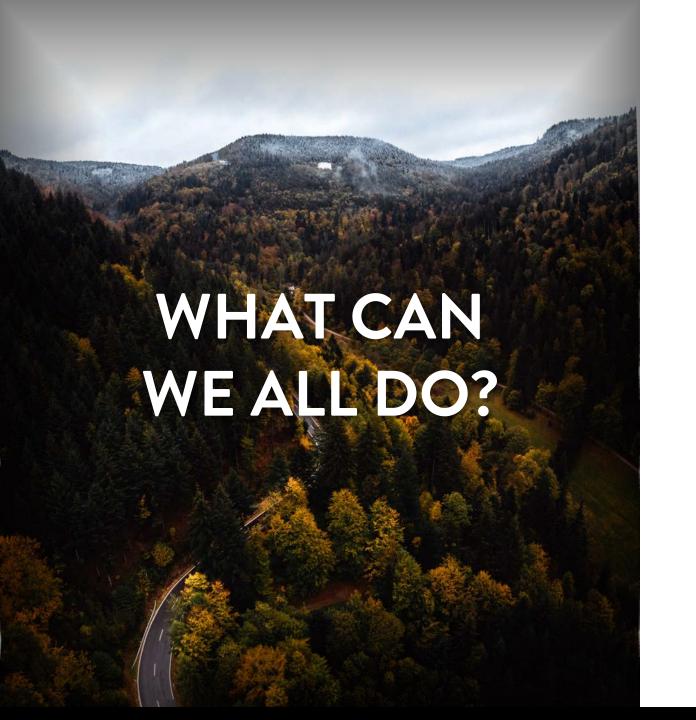
Zeti



ELECTRIC VANS 2023-2024

WITH UK + CALIFORNIA EV FLEET PARTNERS





**DRIVE LESS** 

**DRIVE MORE CAREFULLY** 

**DRIVE LIGHTER CARS** 

**BUY BETTER TIRES** 





LESS TIRE POLLUTION

+
MORE EV RANGE / LESS FUEL
+
REDUCE OPERATING COSTS





