



THE RISE OF ELECTRIC VEHICLES IS A POWERFUL LEVER FOR DECARBONIZING CITIES



Global EV sales reached **6,75 MILLION** UNITS IN 2021,

108% more than in 2020.

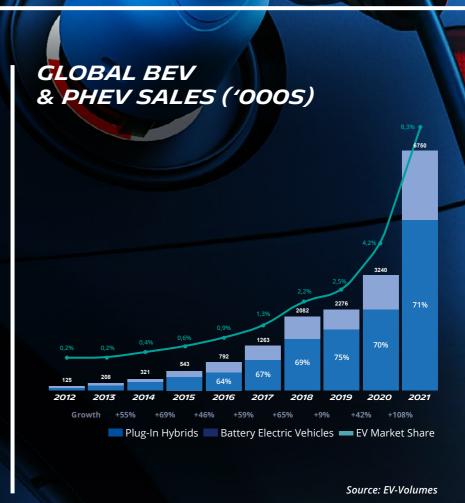
This volume includes passenger vehicles, light trucks and light commercial vehicles.

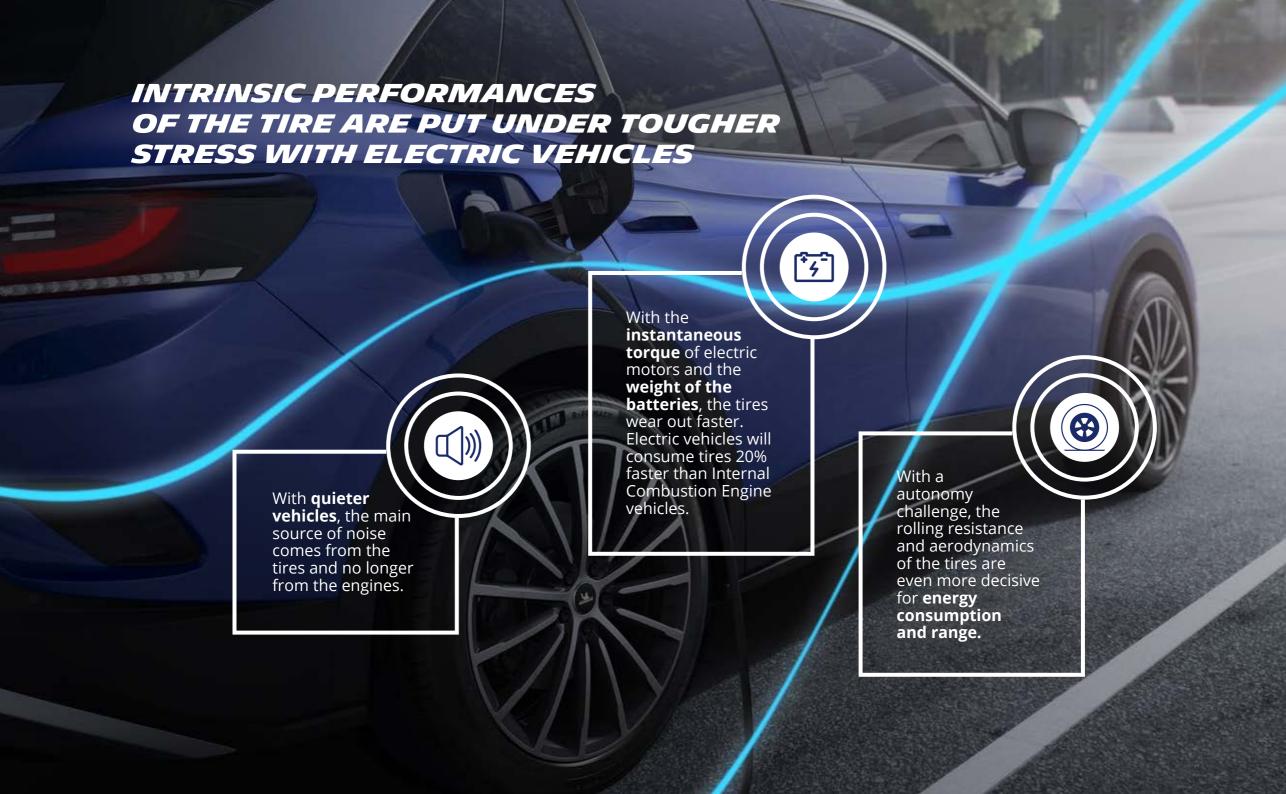
The global share of EVs (BEV & PHEV) in global light vehicle sales was **8,3% COMPARED TO 4,2% IN 2020.**





BEVs stood for
71% OF TOTAL
EV SALES,
PHEVS FOR 29%.





MICHELIN IS THE PIONEER AND TECHNOLOGY LEADER IN TIRES FOR ELECTRIC VEHICLES

- > Performances required for electric vehicles are Michelin's areas of legitimacy and excellence
- Historically, Michelin tires offer a significant advantage in terms of longevity, which is critical when we know electric vehicles will consume tires 20% faster than Internal Combustion Engine vehicles
- > Durability, rolling resistance, performance made to last, load capacity, low noise... Michelin tires offer the best value to owners of electric vehicles owners



ROLLING RESISTANCE

To maximize battery life and range, electric vehicles need low rolling resistance tires, an area where Michelin is renowned as the pioneer and expert. Over the past twenty years, Michelin has **improved the energy efficiency of its tires by over 20%** for passenger cars without compromising on safety or longevity.



LOAD CAPACITY

Electric vehicles are heavier because of the weight of their batteries. Michelin supplies tires with a bigger diameter, or the same dimension but with a higher load capacity. Michelin has also launched **Selfseal to self-repair punctures**, enabling manufacturers to save the weight of a spare wheel.



DURABILITY

Electric vehicles have higher and more sustained torque levels than combustion-powered vehicles. These necessitate greater requirements in terms of tire lifetime and durability, another Michelin historical leadership area.



NOISE

Michelin helps reduce the internal noise caused by the tires, a major concern for electric cars with noiseless engines. And this, thanks to MICHELIN Acoustic, a vibration-absorbent polyurethane foam ring inside the tire.

FACTS & STATS



MICHELIN Acoustic[™]
Technology *REDUCES NOISE BY 20%*

Michelin just sold its
10,000,000TH TIRE
WITH MICHELIN
ACOUSTIC

MICHELIN Pilot Sport EV EXTENDS BATTERY RANGE BY 60 KM

MICHELIN e•Primacy offers a +7%
INCREASE IN
BATTERY RANGE

AROUND 50% of all MICHELIN bicycle tires are "E-BIKE READY"

Michelin also introduced an eBus tire: MICHELIN X® INCITY™ EV Z which improves in rolling resistance BY 13% AND LONGEVITY BY 10%

SPECIAL EV TIRE LINES



MICHELIN PILOT SPORT EV

high performance summer road tire for electric vehicles



MICHELIN E•PRIMACY

eco-designed summer tire for fuel, hybrid and electric vehicles



MICHELIN X® INCITY™ EV

for electric buses



MICHELIN X AGV EV

for automatic guided vehicles operating in ports

Even if not specially developed for electric vehicles, many other Michelin tire lines are "EV ready" as they already optimize energy efficiency, durability, high load capacity and little noise – as the **MICHELIN X® MULTITM ENERGYTM** range which brings together the best performances to support the development of electric motorized heavy goods vehicles.



