

# Zinc in the Automotive Sector: Driving Demand Through Value



Zinc plays an important role in the automotive industry, with a forecast for a **22% increase** — **approximately 140,000 tonnes** — in demand by 2030. In its role in galvanizing steel, zinc protects against corrosion and ensures long-lasting structural integrity.



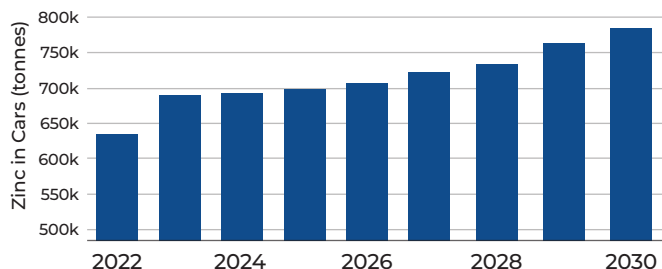
**Zinc in Your Car** (average 16 kg zinc per car)

## Zinc + Steel Advantages:

- Stronger
- Safer
- Easily Formable
- Sustainable & Recyclable
- Less Expensive

What is sparking zinc's **22% growth**? More people are buying cars, especially in Asia, where more car manufacturers are adopting galvanized steel.

## Growing Demand for Zinc in Cars



Graph Source: IMF, OECD, Reuters, and the World Bank

## The Story in China

- ◆ Largest car manufacturer in the world
- ◆ More consumers buying first cars
- ◆ 57% of automotive market galvanized and growing versus global average of 90%

## The Story in India

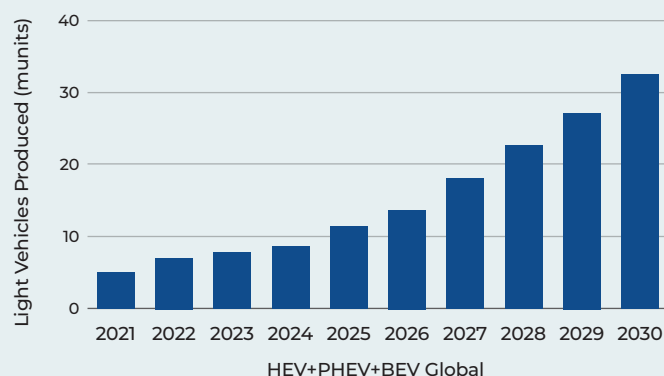
- ◆ Third largest car manufacturer in the world
- ◆ More consumers buying first cars
- ◆ 22% of automotive market galvanized and growing versus global average of 90%
- ◆ Largest manufacturer Maruti Suzuki committed to galvanized steel in all 2024 cars

## Bigger is Better for Zinc

Cars are getting larger every year, and that means more zinc is being used to protect the steel in these cars. The SUV segment is the fastest growing segment in many regions. According to the U.S. Environmental Protection Agency and the VIAS Institute in Belgium, cars in the U.S. and Europe have increased between 11 and 30% respectively over 20 years. As car manufacturers turn to thinner, lighter high-strength steel grades, zinc's protective function becomes even more critical.



### Growing Production of EVs

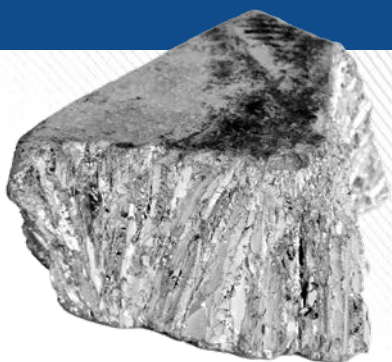


Graph Source: IMF, OECD, Reuters, and the World Bank

## Zinc: Charging up the EV Supply Chain

With the development of lightweight Advanced High-Strength Steel and 3rd generation Ultra High-Strength Steel, more EV manufacturers are substituting aluminum with less expensive, stronger, and lighter steel to provide enhanced safety performance, greater fuel efficiency, and reduced emissions. Virtually all automakers have adopted galvanized steel for their high-volume EV models. With zinc in both the body and battery rack of EVs, annual demand for zinc in EVs will more than quadruple from 2022 to 2030, from **53,500 to 306,000 tonnes**.

The growing car sales and use of galvanized steel across Asia, the trend in larger vehicles, and the expansion of galvanized steel in electric vehicles have catalyzed a 22% increase in zinc demand by 2030 amounting to 140,000 additional tonnes. Learn more about zinc's value proposition here: [www.zinc.org](http://www.zinc.org)



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