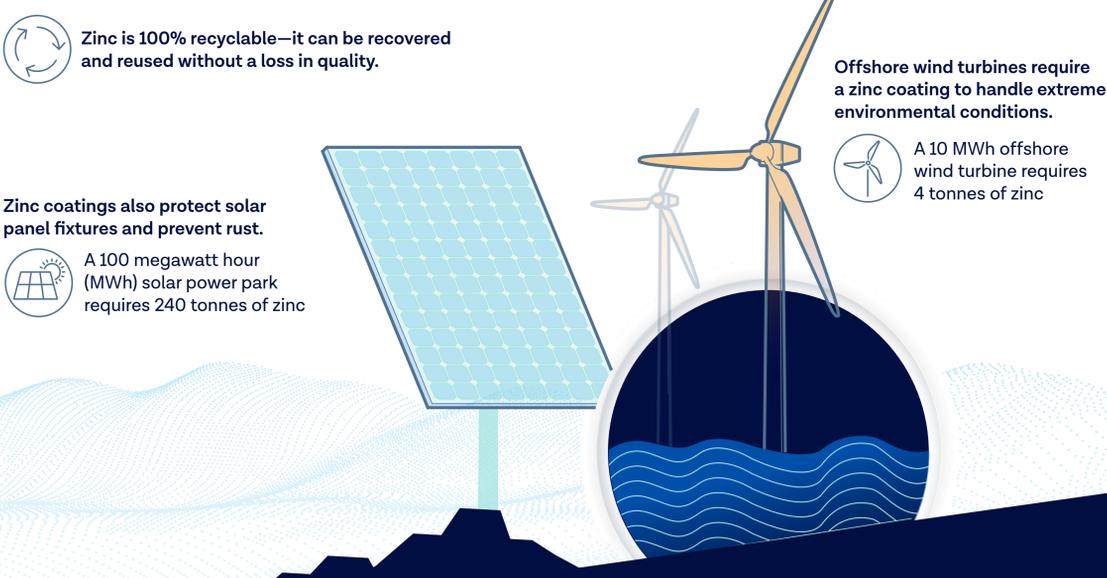


# UNDERSTANDING ZINC'S ROLE IN A LOW-CARBON ECONOMY

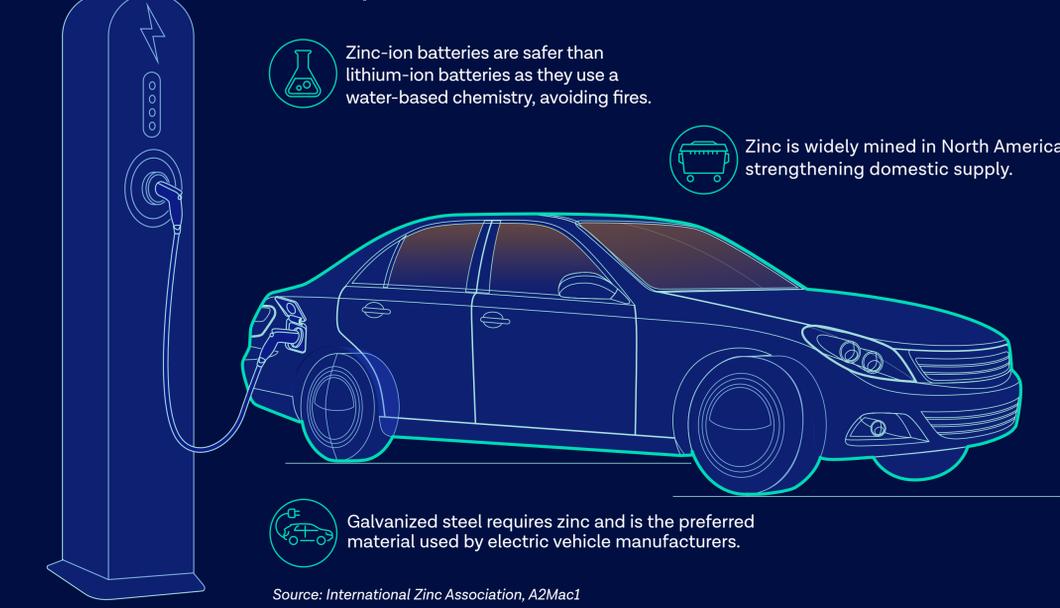
Most people know zinc is used for vitamins, sunscreen, or metal coating, but few are aware of its essential applications in transportation, infrastructure, electronics, and renewable energy.

## Zinc's Role in Renewable Energy Production

Due to its superior ability to protect metals against corrosion and its growing role in energy storage and production, zinc remains an essential material for the future.



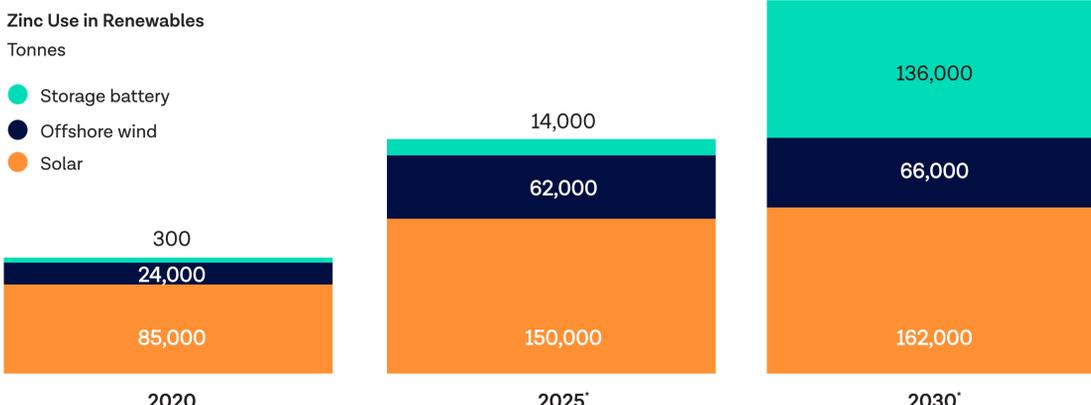
## Zinc is a key ingredient in battery technology that helps reduce carbon emissions.



Source: International Zinc Association, A2Mac1

## Growing Demand for Zinc

Accelerated investment and adoption of renewable energy is leading to growing zinc demand.



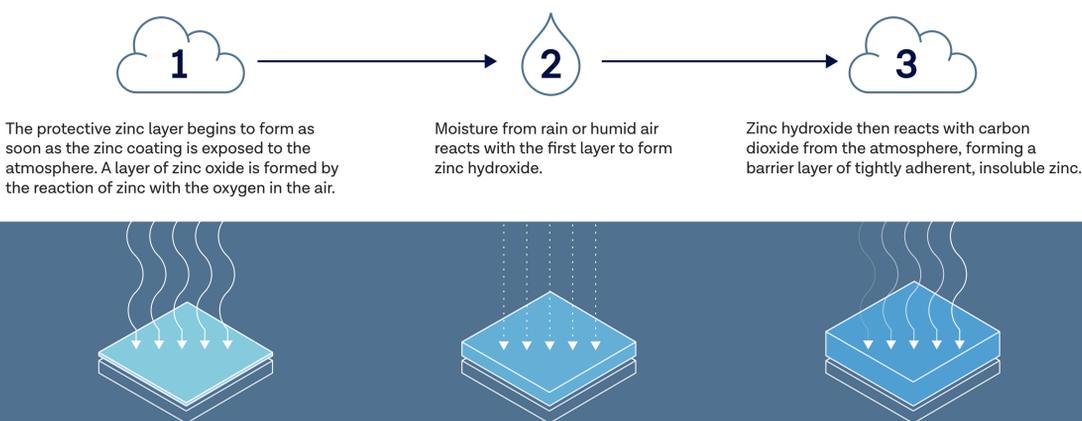
## Galvanizing the Economy

Zinc coatings extend steel's life on average by 9x vs. bare steel.

Zinc plays an important role in extending the life of products made of steel. Doing so means that infrastructure such as bridges and power transmission systems do not need to be rebuilt as frequently, thus reducing emissions.

Protecting steel against corrosion is the most important market for zinc, representing 60% of the metal's use worldwide. This includes the steel in infrastructure and vehicles.

## How Zinc Protects Steel



## The Versatile Metal

From transistors to lasers, satellites to circuit boards, photocopiers to fuel cells, zinc is one of the most versatile and essential materials.

### ZINC'S APPLICATIONS



Source: International Zinc Association

As one of the world's largest producers of mined zinc, Teck is committed to responsible mining and delivering the metals necessary for a low-carbon future.

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Learn more about how copper is playing a key role in building the low-carbon economy.

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