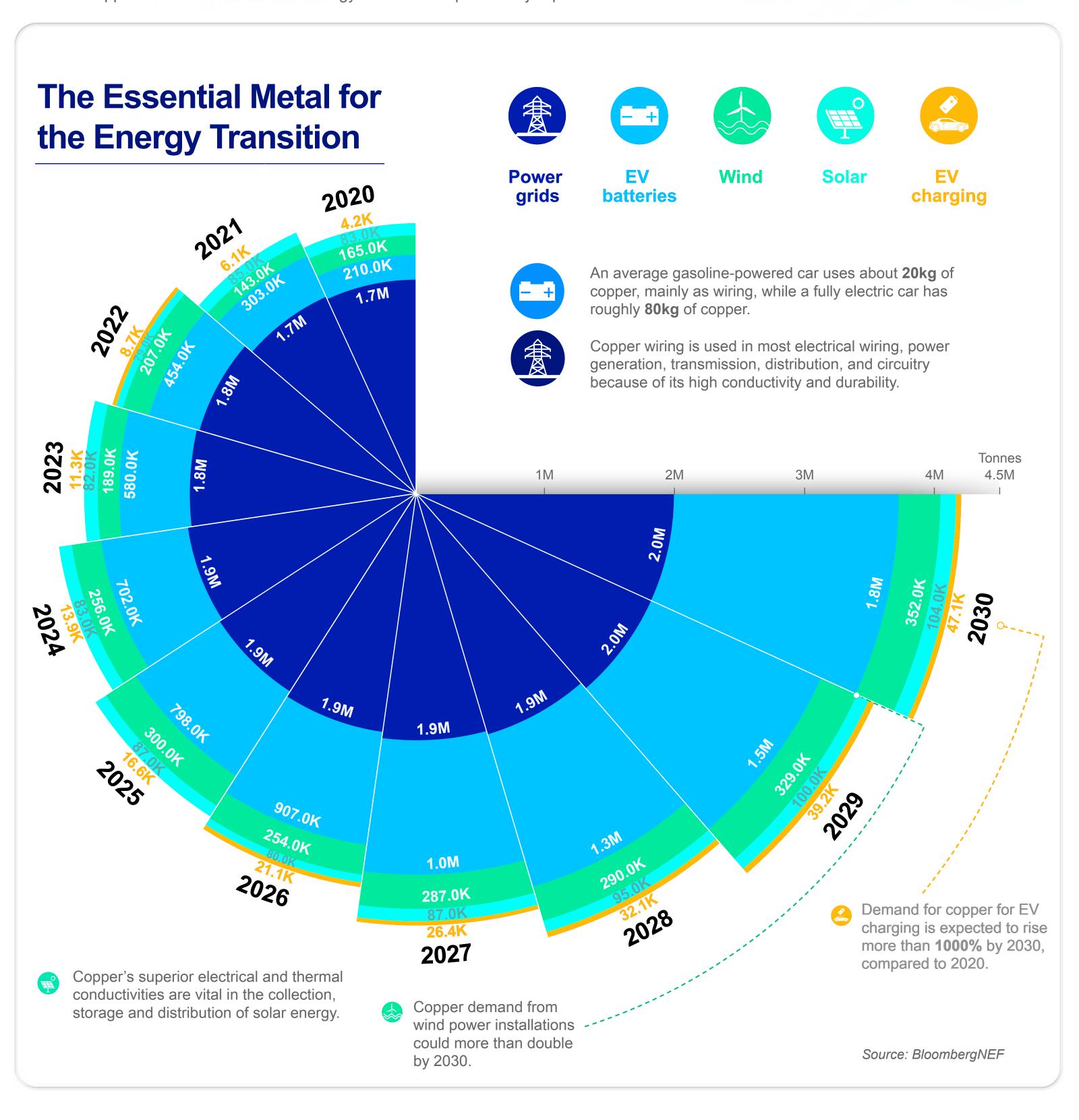
Riding the Electric Wave Copper in a Renewables Powered Future

Global copper demand for alternative energy sources is expected to jump from 2.1M tonnes in 2020 to 4.3M tonnes in 2030.



As the world moves towards alternative energy sources, copper will remain in high demand.

Presented by -



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

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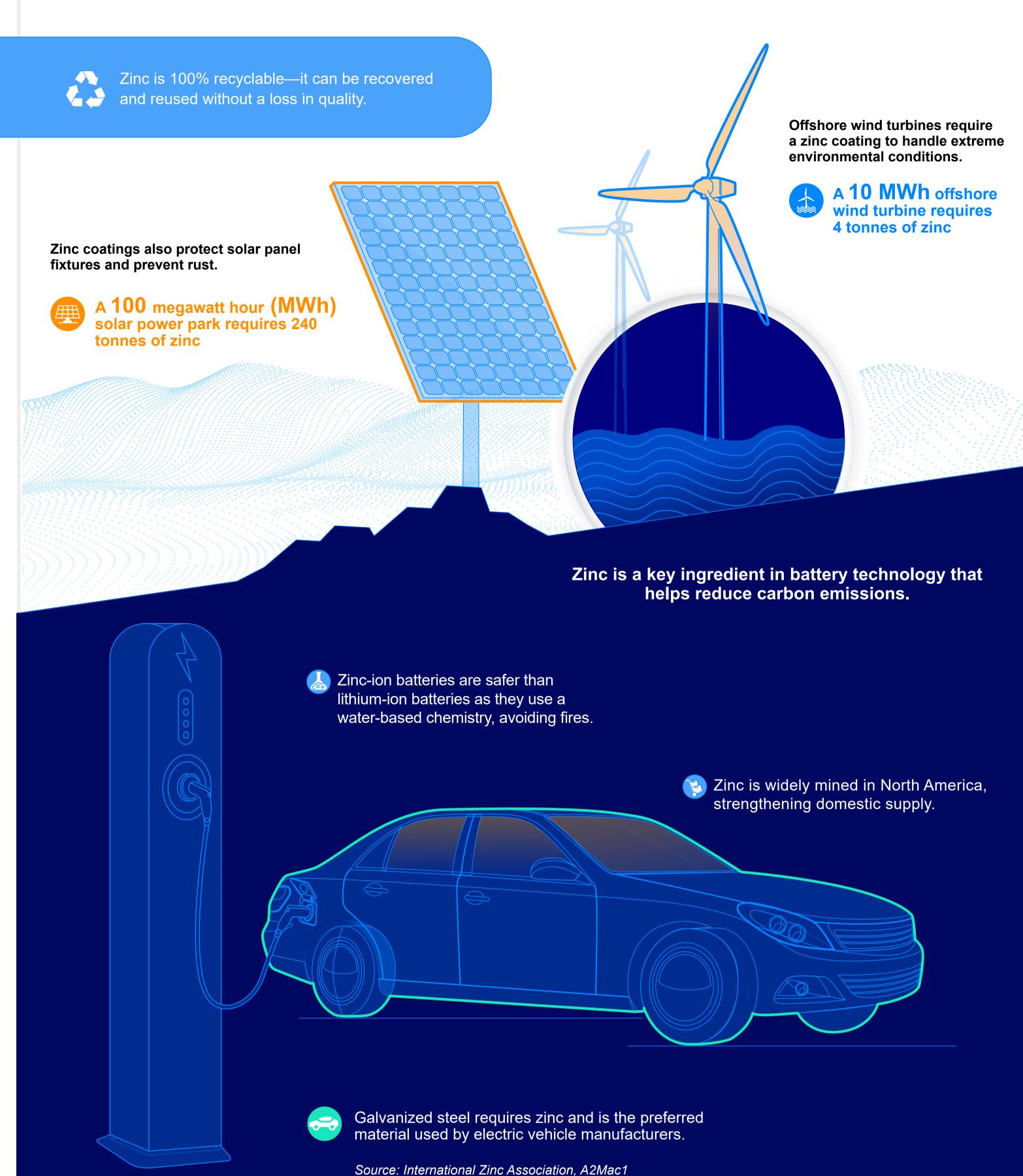


Low-Carbon Economy

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

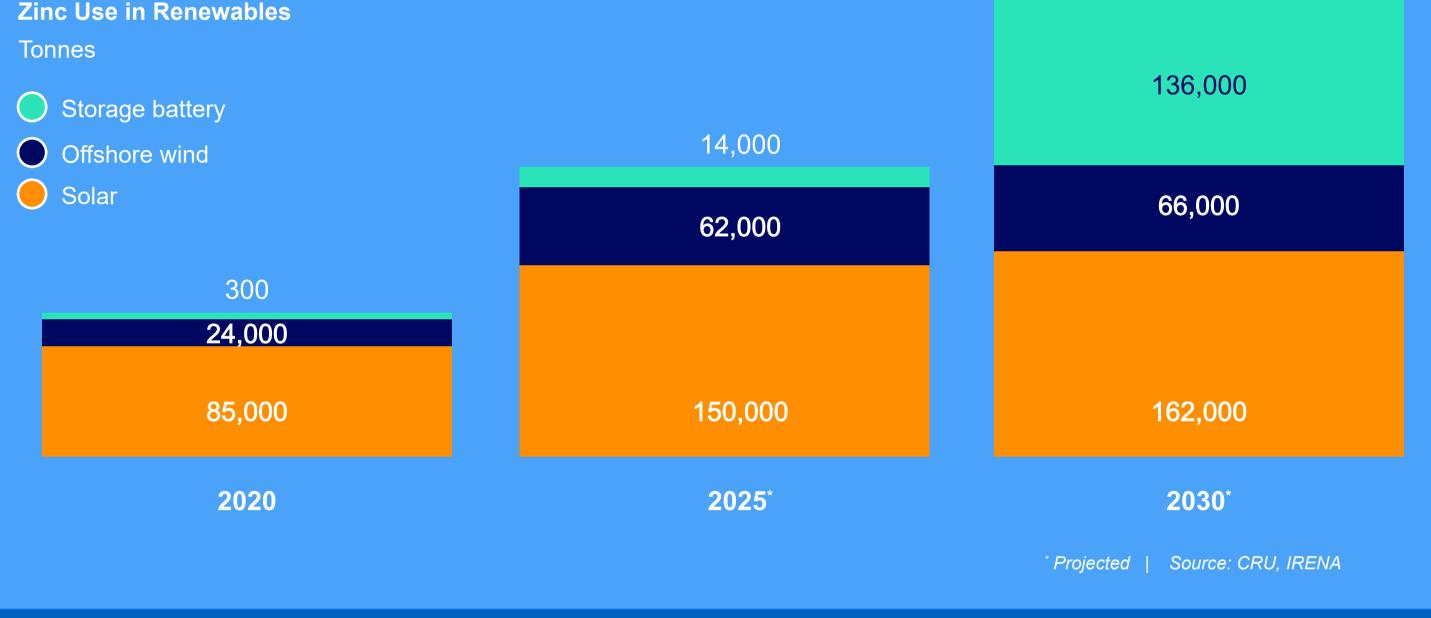
Due to its superior ability to protect metals against corrosion and its growing role in energy storage and production, zinc remains an essential material for the future.



Growing Demand for Zinc

Accelerated investment and adoption of renewable

energy is leading to growing zinc demand.



Zinc plays an important role extending the life of products Protecting steel against corrosion is the most

Galvanizing the Economy

rebuilt as frequently, thus reducing emissions. Zinc coatings extend steel's life on average by 9x vs. bare steel.

made of steel. Doing so means that infrastructure such as

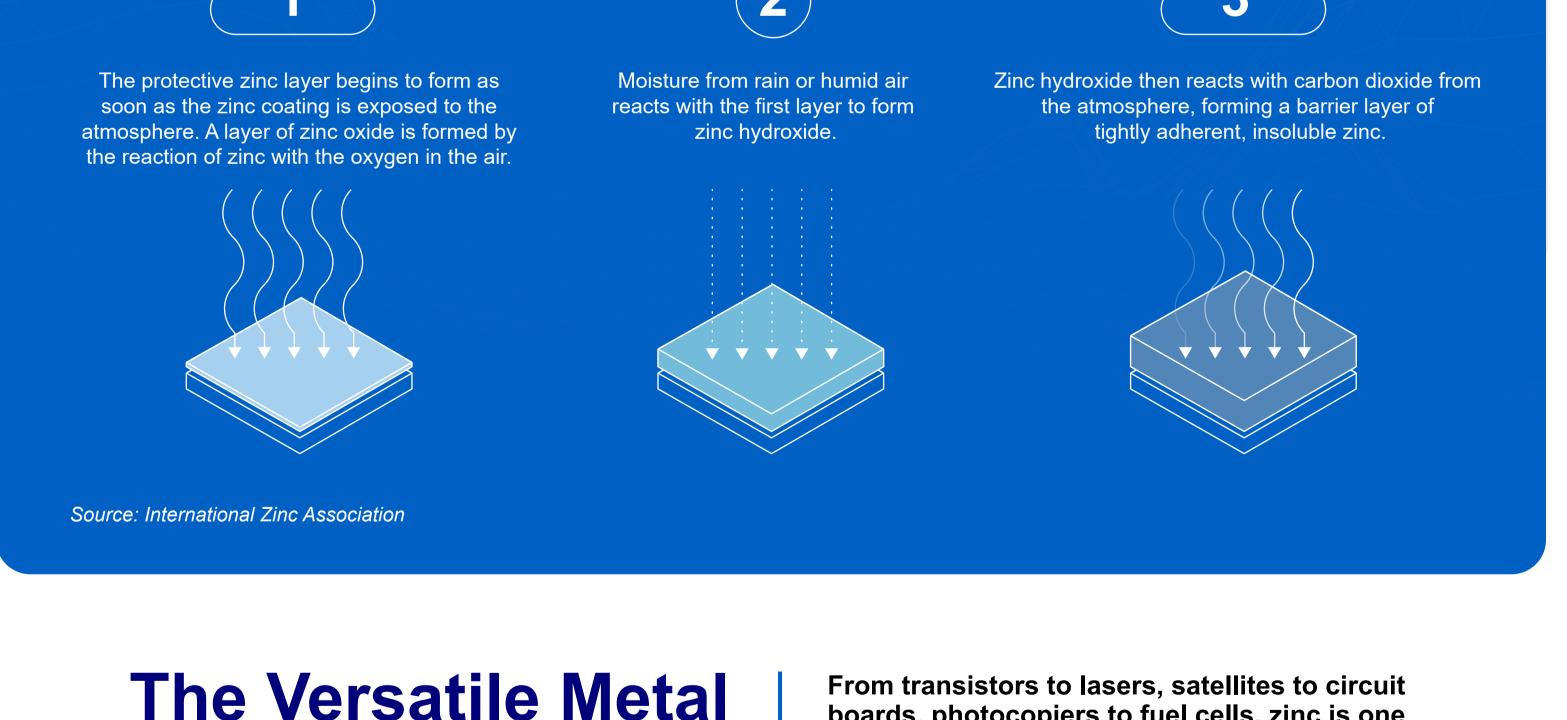
bridges and power transmission systems do not need to be



steel in infrastructure and vehicles.

important market for zinc, representing 60%

of the metal's use worldwide. This includes the

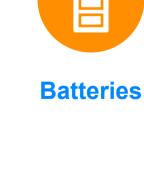


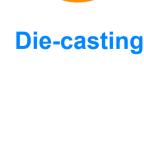
Zinc's Applications

boards, photocopiers to fuel cells, zinc is one

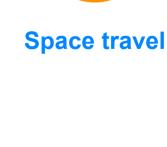
of the most versatile and essential materials.

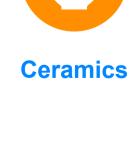








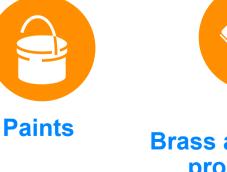


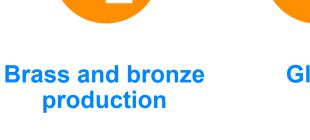


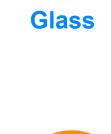


Paints

To stop corrosion, the original





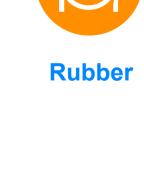


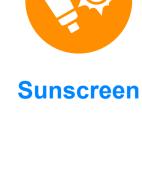




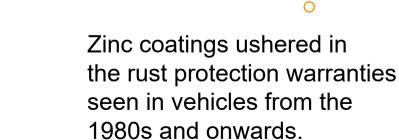
iconic Golden Gate Bridge was replaced with a zinc silicate primer in 1995.

lead-based paint of San Francisco's









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.

Presented by -



role in a sustainable economy.

Learn more about zinc's essential







TSX TECK.B

Understanding **Global Demand for**

Steelmaking Coal

Global population growth, increased urbanization, and a growing middle class will continue to drive long-term demand for steel and the steelmaking coal required to produce it. Projections show that another 2.5 billion people could be added to urban populations by 2050. That's the equivalent of building a new city nearly the size of the Greater Toronto Area every single month for the next 30 years. **Average Wind Turbine** 260,000 kg Steel 170,000 kg Steelmaking Coal **Golden Gate Bridge** 83,000,000 kg Steel 58,100,000 kg Steelmaking Coal Car 900 kg Steel 630 kg Steelmaking Coal

> Fundamentally different from thermal coal, which is used for power, steelmaking coal is needed to make the steel used in everything from:

1 km of Light Rail Track

78,400 kg Steelmaking Coal

112,000 kg Steel

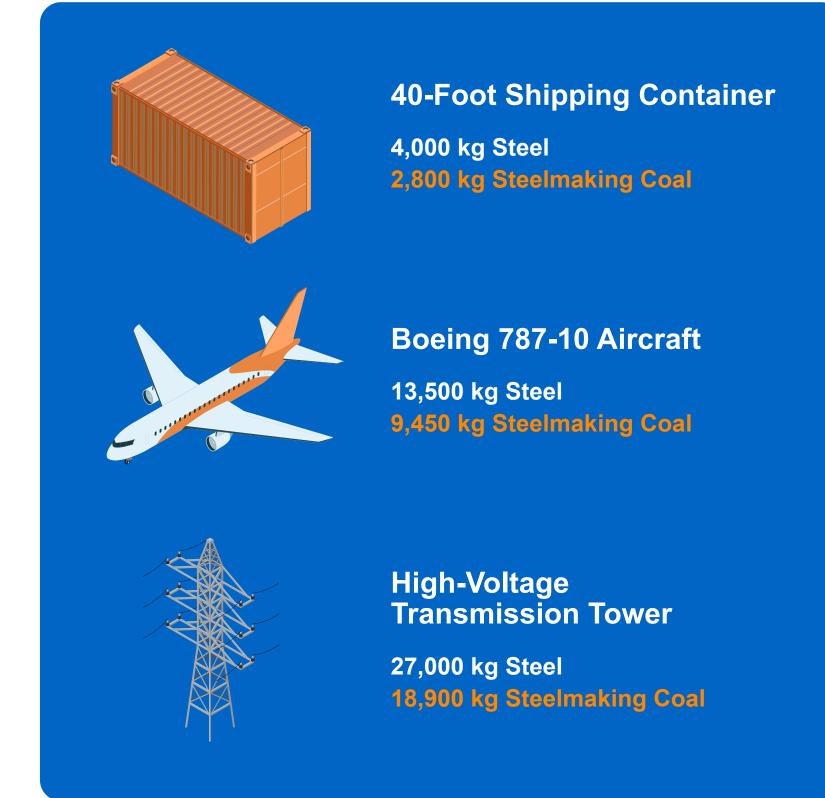
Everyday Items

Source: Teck, World

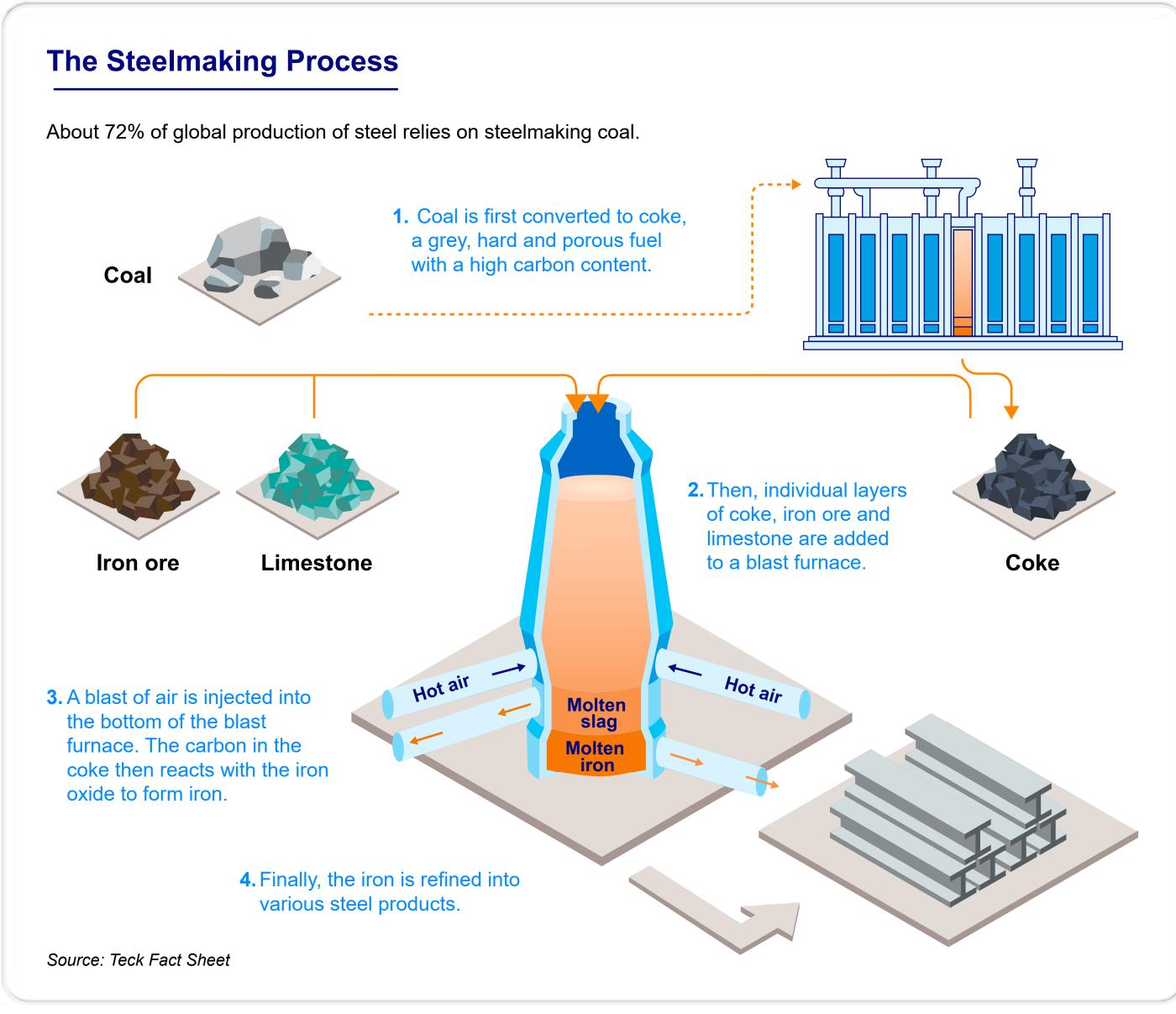
Steel Association

Microwave 13 kg Steel 9 kg Steelmaking Coal **Gas Stove** 68 kg Steel 48 kg Steelmaking Coal Refrigerator 69 kg Steel 48 kg Steelmaking Coal

Transportation & Infrastructure



Sources: The American Iron and Steel Institute, World Steel Association, Boeing



The average wind turbine requires up Each megawatt of solar power

Steelmaking Coal in the Low-Carbon Future

Clean and renewable technologies needed to mitigate

climate change also demand steelmaking coal.

to 260,000 kg of steel, which requires requires up to 45,000 kg of steel, 170,000 kg of steelmaking coal. which requires 31,500 kg of steelmaking coal.



The CCUS

Process

O 1.Capture

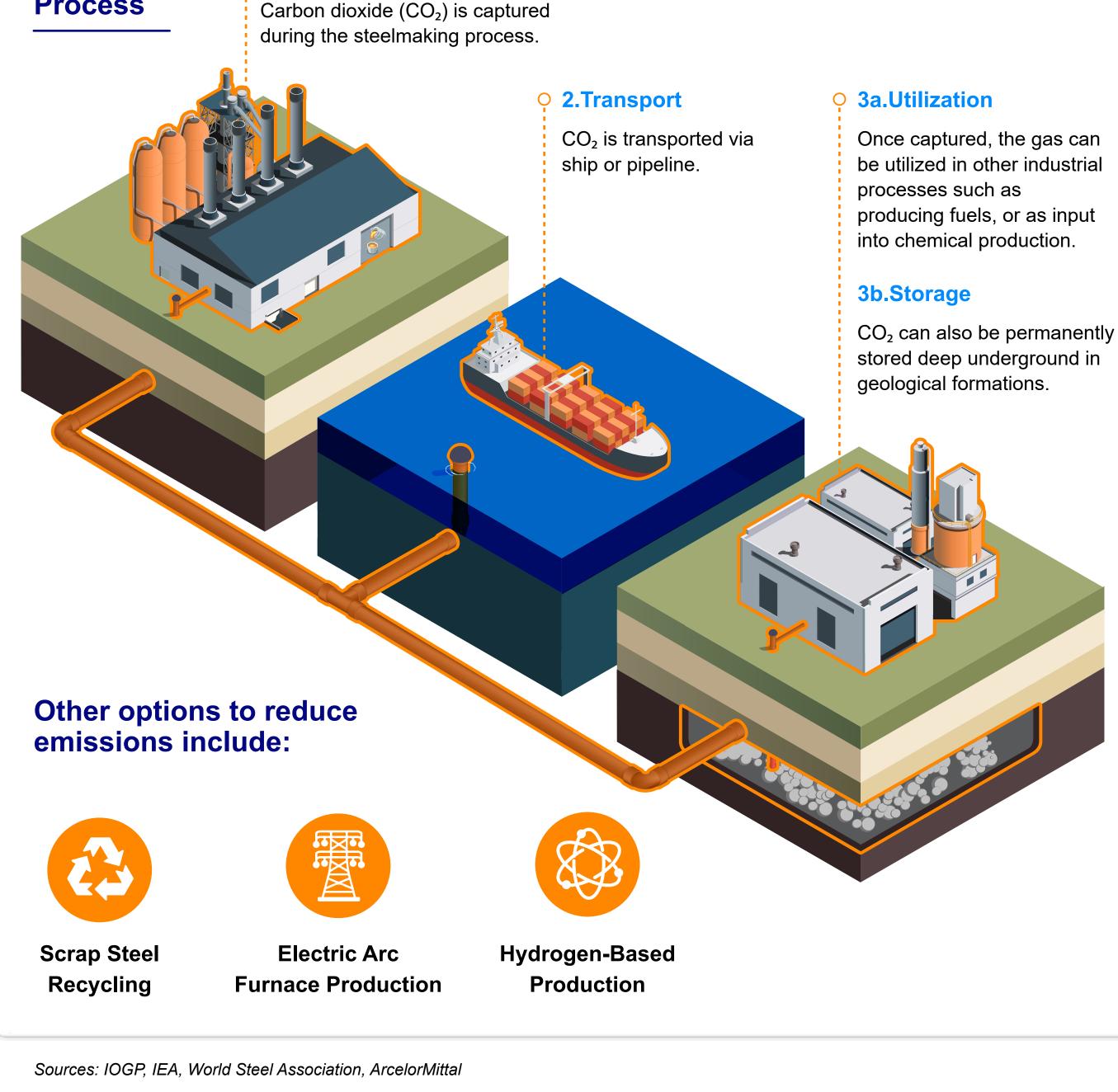


As the steel sector works to decarbonize, several primary pathways will contribute to

Carbon Capture, Utilization and Storage (CCUS) is the only commercially ready

technology capable of decarbonizing the steelmaking industry at the rate and scale

required by 2050 to limit global temperature increases to 1.5°C.



As demand for steel grows in the low-carbon economy,

Teck is the world's second-largest seaborne exporter of steelmaking coal and is among the lowest carbon-intensity producers.

so will the role of sustainable production.

Presented by -



Learn more about steelmaking coal and its critical role in infrastructure and building a low-carbon future.

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