#### ZINC | international zinc association

# Zinc's Critical Role in the Energy Transition



Sources: CRU, MacQuerie, McKinsey & Company, Wood MacKenzie, and IZA

### The Case for Zinc in Solar



- A zinc coating prevents corrosion and extends service life.
- One Megawatt of solar power capacity requires 2.4 tonnes of zinc.
- Zinc-coated steel provides longlasting structural strength required in solar farms.





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## The Case for Zinc in Wind

- A zinc coating prevents corrosion and extends service life.
- A zinc coating stands up to hot, cold, and wet conditions onshore or offshore.
- One Megawatt of wind power capacity requires .4 tonnes of zinc.

### The Case for Zinc in Energy Storage

- Zinc batteries supply energy for grid backup, stationary, and mobility applications.
- Zinc offers high performance at a low cost.
- Zinc is non-toxic and non-flammable, delivering a safe battery solution.
- One Megawatt-hour of energy storage capacity requires 2 to 2.5 tonnnes of zinc.



Zinc's Growing Role in the Energy Transition: A Smart Investment

**48% growth** forecast over seven years



Source: BloombergNEF

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As the world transitions to a low-carbon economy, zinc offers tremendous value with an increased demand in solar, wind, and energy storage over the next five years. With the essential element's abundance, low-cost, and high-performance, there is no better time to invest in zinc. Learn more about zinc's value proposition at **www.zinc.org.** 

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