



Minami-Torishima Island

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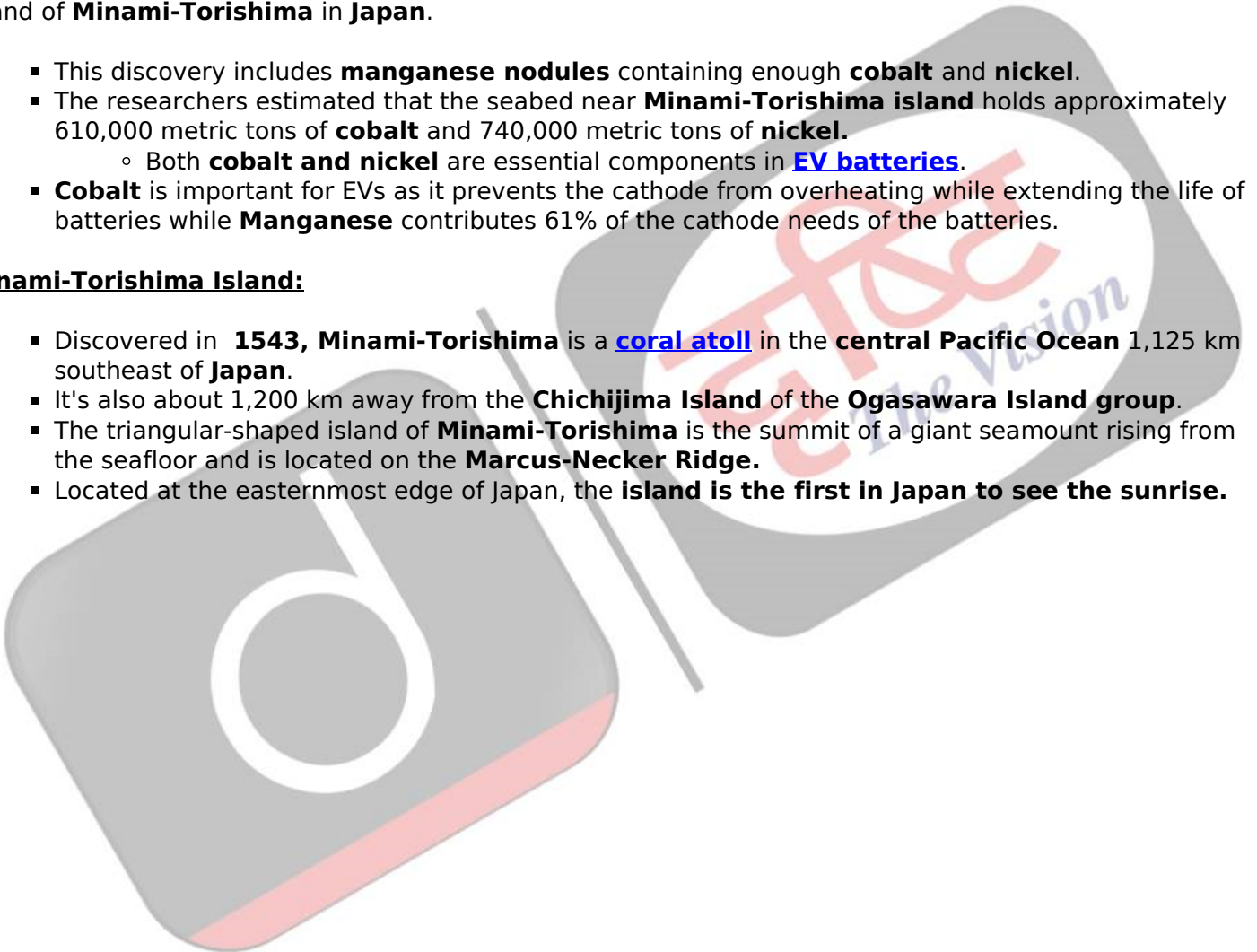
Recently, researchers have uncovered a **significant deposit of minerals** on the seabed near the remote island of **Minami-Torishima** in **Japan**.

- This discovery includes **manganese nodules** containing enough **cobalt** and **nickel**.
- The researchers estimated that the seabed near **Minami-Torishima island** holds approximately 610,000 metric tons of **cobalt** and 740,000 metric tons of **nickel**.
 - Both **cobalt and nickel** are essential components in [EV batteries](#).
- **Cobalt** is important for EVs as it prevents the cathode from overheating while extending the life of batteries while **Manganese** contributes 61% of the cathode needs of the batteries.

Minami-Torishima Island:

- Discovered in **1543**, **Minami-Torishima** is a [coral atoll](#) in the **central Pacific Ocean** 1,125 km southeast of **Japan**.
- It's also about 1,200 km away from the **Chichijima Island** of the **Ogasawara Island group**.
- The triangular-shaped island of **Minami-Torishima** is the summit of a giant seamount rising from the seafloor and is located on the **Marcus-Necker Ridge**.
- Located at the easternmost edge of Japan, the **island is the first in Japan to see the sunrise**.

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